RiT Enterprise Solutions Installation Guide

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Chapter 1: Introduction

This user guide provides you with complete instructions on how to install the following modules:

- **PV4E**
  - A comprehensive and efficient intelligent infrastructure management solution that can automate and simplify both the planning and day-to-day management of networks and their associated passive and active equipment
- **Extended Driver Pack**
  - This section is relevent only if you have purchased the extended Driver Pack. The Extended Switch Driver Pack provides expanded switch information support for switches
- **CAD**
  - The CAD Module enables visual representation of the PV4E locations and inventory items on 2-D maps
- **PV360 Dashboard**
  - PV360 Dashboard provides a centralized depot for defining real-time alerts and centrally monitoring events across a company's physical network infrastructure
- **SitePro**
  - SitePro is a hand held device that gives the technician detailed information about tasks that need to be performed in the communication room or datacenter in real time. Using SitePro, the technician is able to perform the patch process guided by the details sent from the PV4E or SiteWiz applications

Also contained in this user guide are the pre-requisites and requirements together with all other essential information you will require to install these modules efficiently.

For full and detailed information about PV4E, please refer to the *PV4E User Manual*.

How to use this Document

This document is based on machines using Windows 2003 server and SQL 2005 standard edition, for other version please refer to Appendix A.

It is recommended that you check off each step of the installation using the installation check list, found at the end of this Installation Guide.

The checklist contains a complete list of installation items required to perform a successful and complete installation of the PV4E system.

Chapter 2 – PV4E Installation

To install PV4E, the user must have administrator privileges to run the PV4E installation.

SQL users must have DBO privileges.

System Requirements

PV4E software must be installed on the computer that serves as a dedicated server (Deployment Server).

Depending on the function of the workstation, there are different hardware and software requirements, as well as different installation procedures.

Minimum Requirements

The minimal software requirements have been modified to allow running the PV4E on a Windows 2003 server or Windows 2000 server.

Following are the minimum Hardware and Software requirements for the PV4E Server and Client Stations.

Included in this section are the requirements for:

- Deployment Server Requirements
- Client Requirements

Deployment Server Requirements

Note:

The PV4E CAD application does not support SQL 2005 SP1 Express Edition.

The requirements for the deployment server are:

Group	Component	Minimum Requirement
Hardware	Pentium IV	Running at 2.4GHz or greater (for large installations, the computer configuration should be determined separately
	RAM	2GB recommended
	Hard Disk space	2 GB
Software	Operating System	Windows 2003 Server with SP1, Windows 2000 Server with SP4
	Microsoft Internet Explorer	6.0 SP 1 IE 7

Group	Component	Minimum Requirement
	DB	MS SQL 2000 Standard/Enterprise + SP4 or MS SQL 2005 with SP1
	IIS 5 or 6	Prerequisites: FTP Server, SMTP Services
	MSMQ	Version 2.0 or 3.0 or higher

Note:

If MSMQ and IIS are not installed on your computer, please do it now. Installation can be done through the "Windows Components" option in the Computer Settings/ Control Panel/ Add or Remove Programs.

Client Requirements

The requirements for a client are:

Group	Component	Minimum Requirements
Hardware	P–III 900 MHz	Running at 900MHz (P-IV recommended).
	RAM	512MB
Software	Operating System	Microsoft Windows 2000 or Windows XP SP2
	Internet Explorer	6.0 SP1 or IE 7 with ActiveX, Cookie and Java Script support

License Registration

After you have purchased the PV4E system, you will receive a software certificate for the software from RiT Technologies. You must then go to our website: http://www.rittech.com and register. You will find registration in the *support section* of the website. After registration you will receive a License File via email. Open the file and save on your computer. This file is needed during the installation setup.

Pre-requisites

SQL Server

Starting from the next version, SQL 2000 will no longer be supported. If you need to install SQL 2000, please refer to the Microsoft website.

You must install SQL Server 2005 Standard Edition to run PV4E. The following explains the procedure for installing SQL.

The system requirement for installing SQL Server 2005 editions can be read at the Microsoft website:

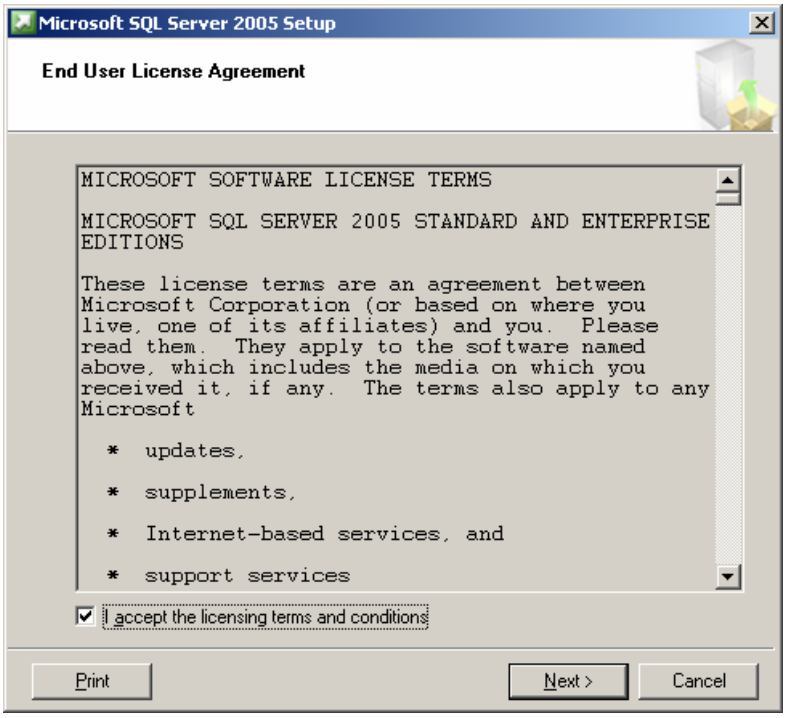
http://www.microsoft.com/sql/prodinfo/sysreqs/default.mspx

SQL Server 2005 Standard Edition

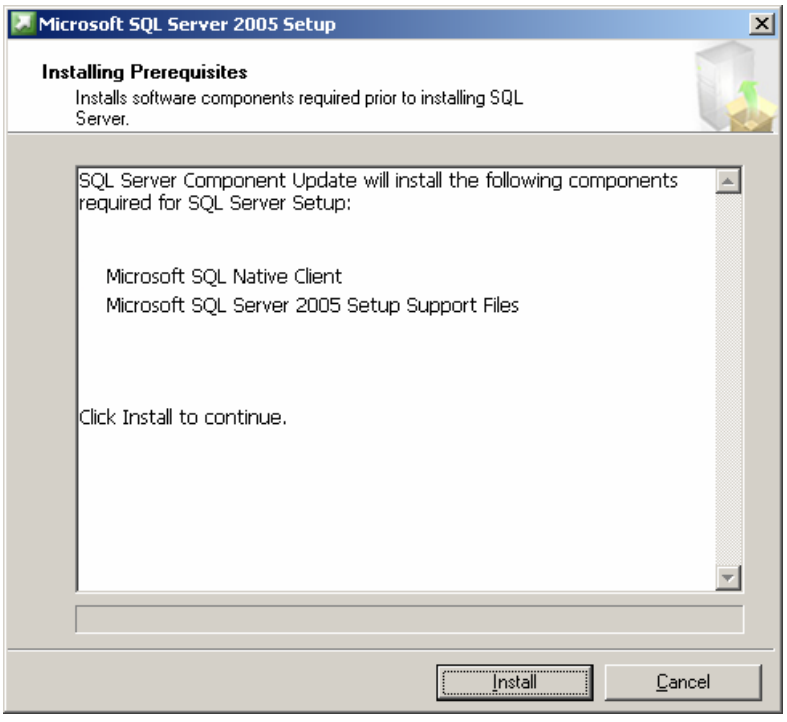
1. Install MDAC 2.8 (for Windows 2000 Editions only).
2. Install latest windows updates.
3. Start the SQL Standard installation.
4. Select the *Server components* link in the *Install* section, see the following screen:

SQL Server 2005 (Disc 1 of 2)
Start
Prepare
Review hardware and software requirements
Read the release notes
Install SQL Server Upgrade Advisor
Install
Server components, tools, Books Online, and samples
Run the SQL Native Client Installation Wizard
Other Information
Browse this CD
Visit the SQL Server website
Read the SQL Server license agreement
Exit
Launch the Installation Wizard to install server components, management tools, development tools, Books Online, and samples. This selection will require both SQL Server 2005 installation discs.
Microsoft SQL Server 2005
Standard Edition

5. Select the License Agreement checkbox.

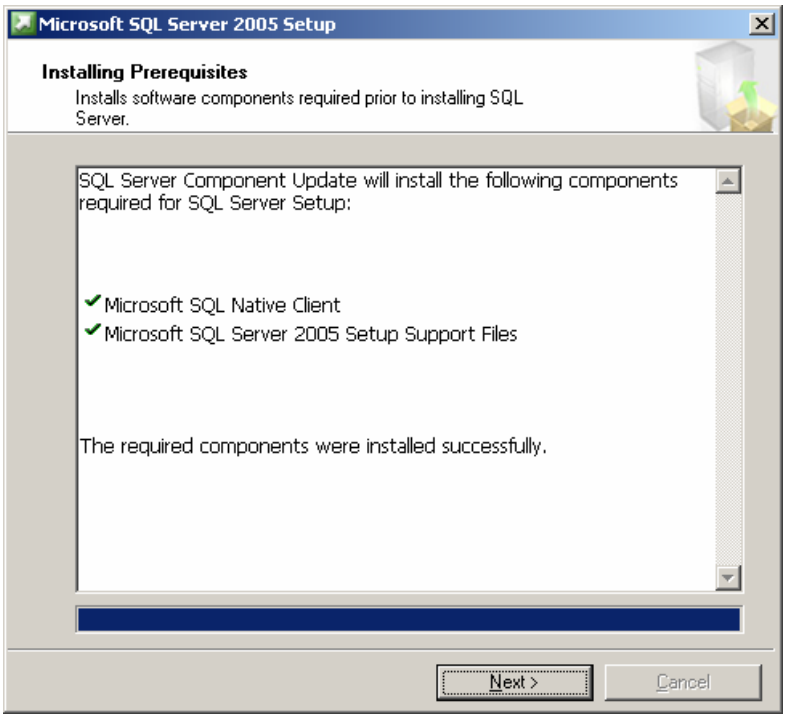

Microsoft SQL Server 2005 Setup
End User License Agreement
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT SQL SERVER 2005 STANDARD AND ENTERPRISE EDITIONS
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft
* updates,
* supplements,
* Internet-based services, and
* support services
I accept the licensing terms and conditions
Print
Next >
Cancel

6. Click **Next**.


Microsoft SQL Server 2005 Setup
Installing Prerequisites
Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components required for SQL Server Setup:
Microsoft SQL Native Client
Microsoft SQL Server 2005 Setup Support Files
Click Install to continue.
Install
Cancel

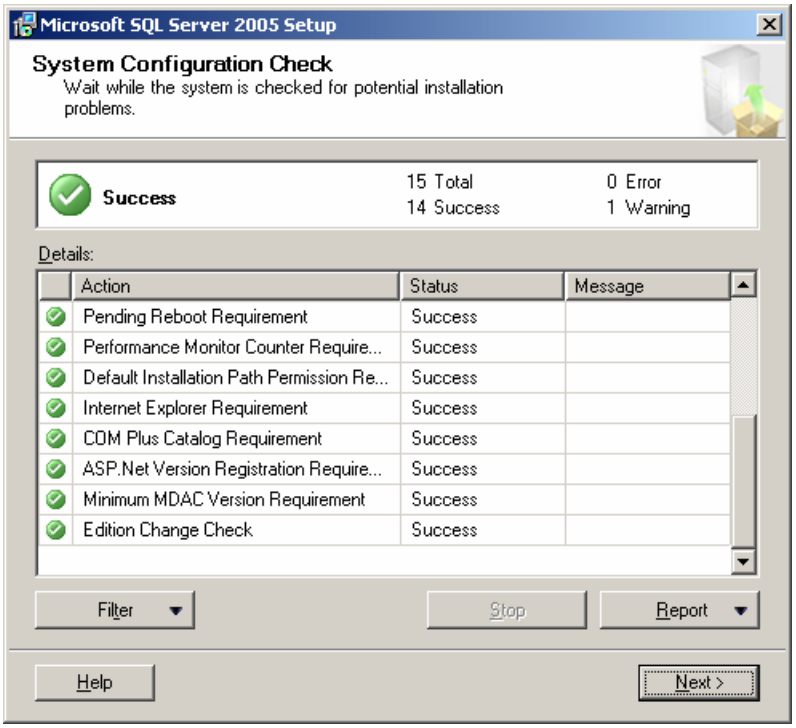
7. Click **Install**.

8. Click **Next**.

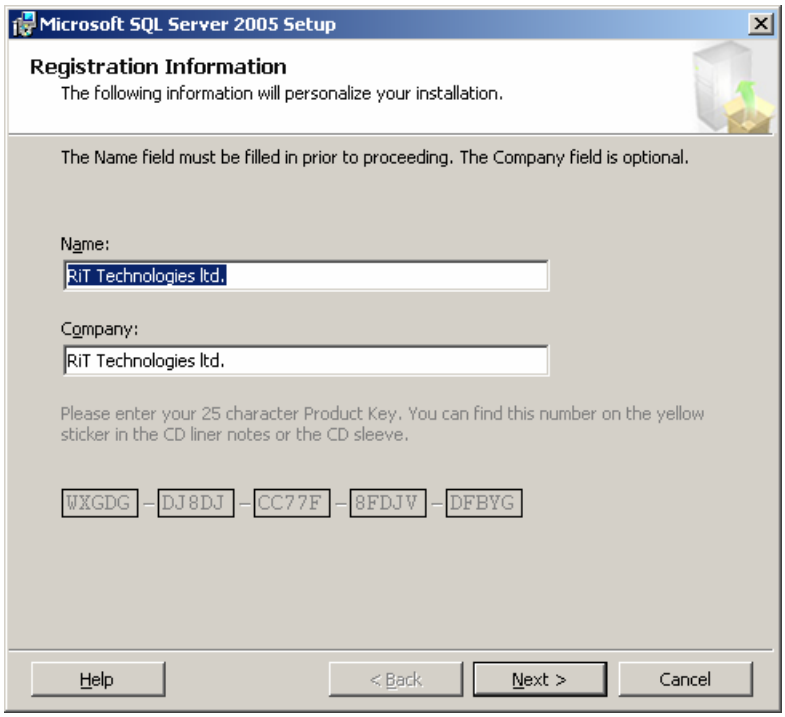

Microsoft SQL Server 2005 Setup
Installing Prerequisites
Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components required for SQL Server Setup:
Microsoft SQL Native Client
Microsoft SQL Server 2005 Setup Support Files
The required components were installed successfully.
Next >
Cancel

Microsoft SQL Server 2005 Setup
Welcome to the Microsoft SQL Server Installation Wizard
Setup will help you install, modify or remove Microsoft SQL Server. To continue, click Next.
< Back
Next >
Cancel

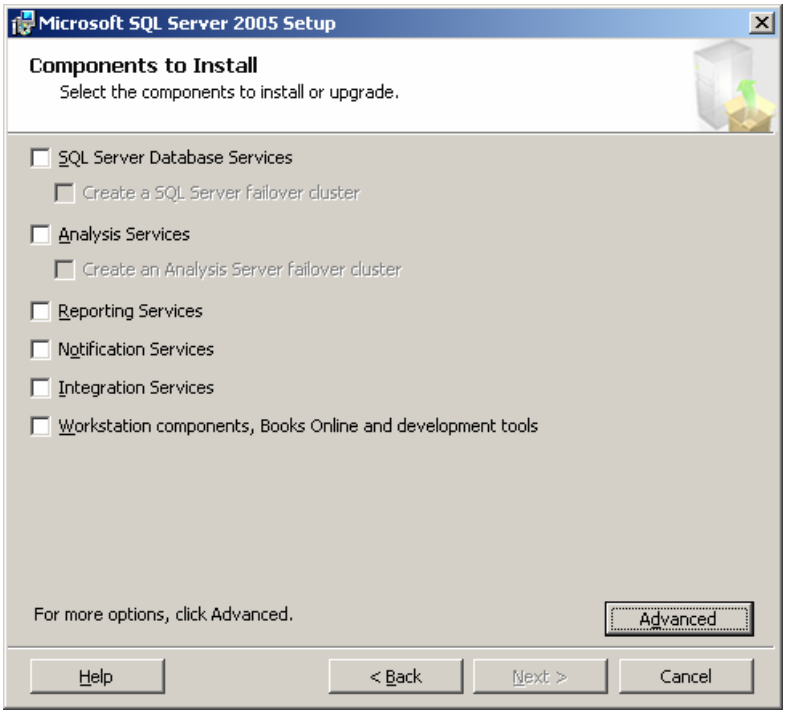
9. Click **Next**.
10. Verify there are no errors.



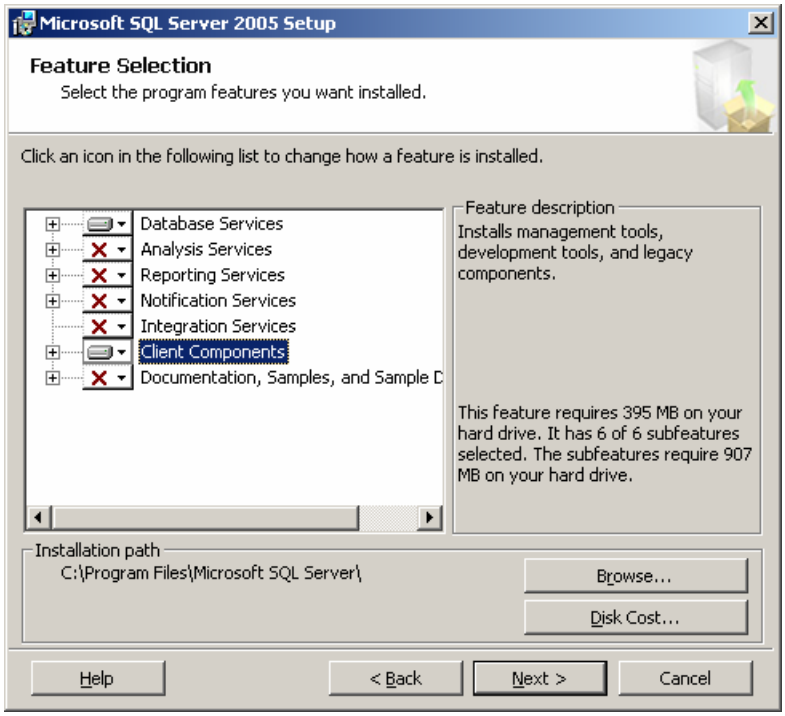
11. Click **Next**
12. Insert **Name and Company** information.


Microsoft SQL Server 2005 Setup
Registration Information
The following information will personalize your installation.
The Name field must be filled in prior to proceeding. The Company field is optional.
Name:
RiT Technologies ltd.
Company:
RiT Technologies ltd.
Please enter your 25 character Product Key. You can find this number on the yellow sticker in the CD liner notes or the CD sleeve.
WXGDG - DJ8DJ - CC77F - 8FDJV - DFBYG
Help
< Back
Next >
Cancel

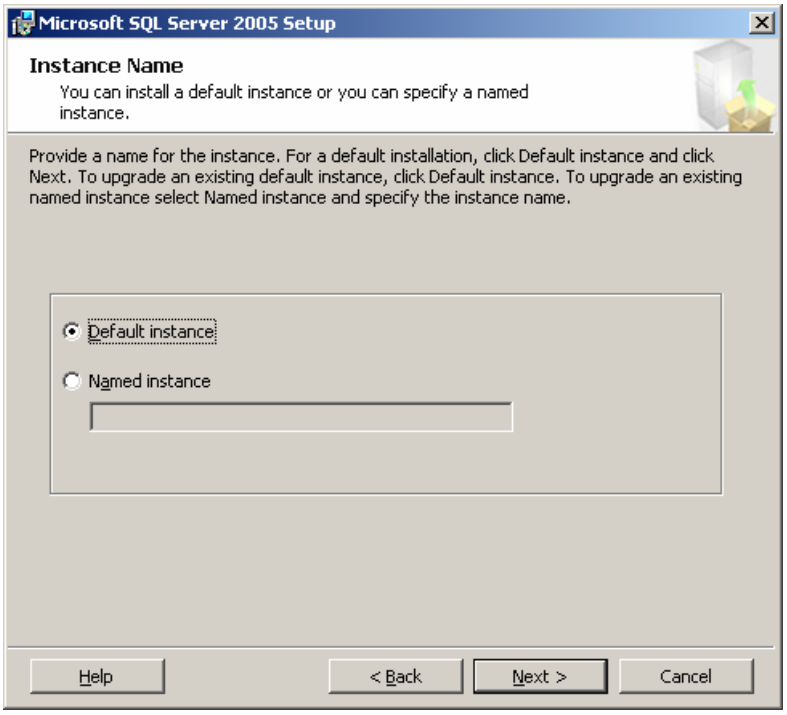
13. Click **Next**



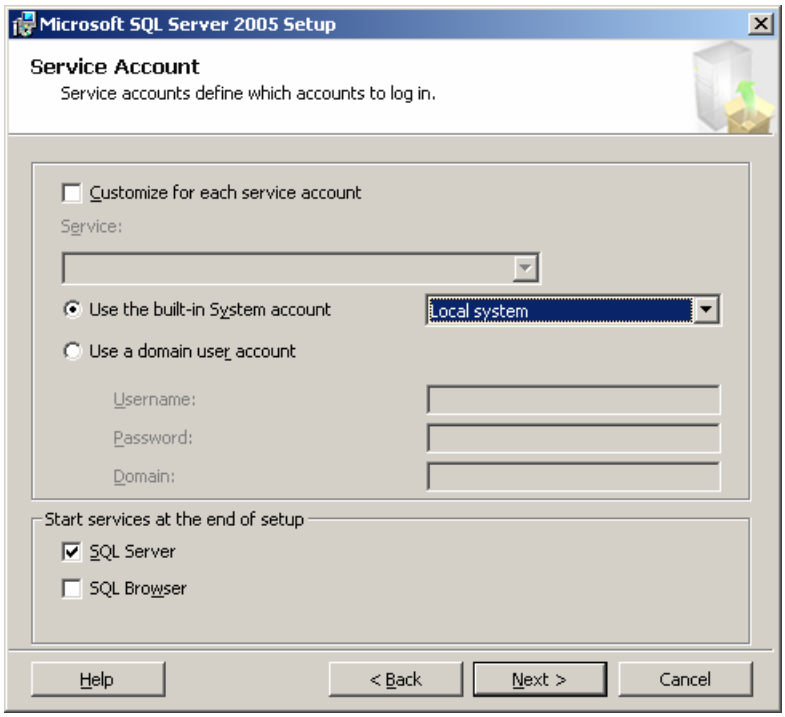
14. Click **Advanced**
15. Select ALL *Database Services* and *Client Components* features.


Microsoft SQL Server 2005 Setup
Feature Selection
Select the program features you want installed.
Click an icon in the following list to change how a feature is installed.
Database Services
Analysis Services
Reporting Services
Notification Services
Integration Services
Client Components
Documentation, Samples, and Sample D
Feature description
Installs management tools, development tools, and legacy components.
This feature requires 395 MB on your hard drive. It has 6 of 6 subfeatures selected. The subfeatures require 907 MB on your hard drive.
Installation path
C:\Program Files\Microsoft SQL Server\
Browse...
Disk Cost...
Help
< Back
Next >
Cancel

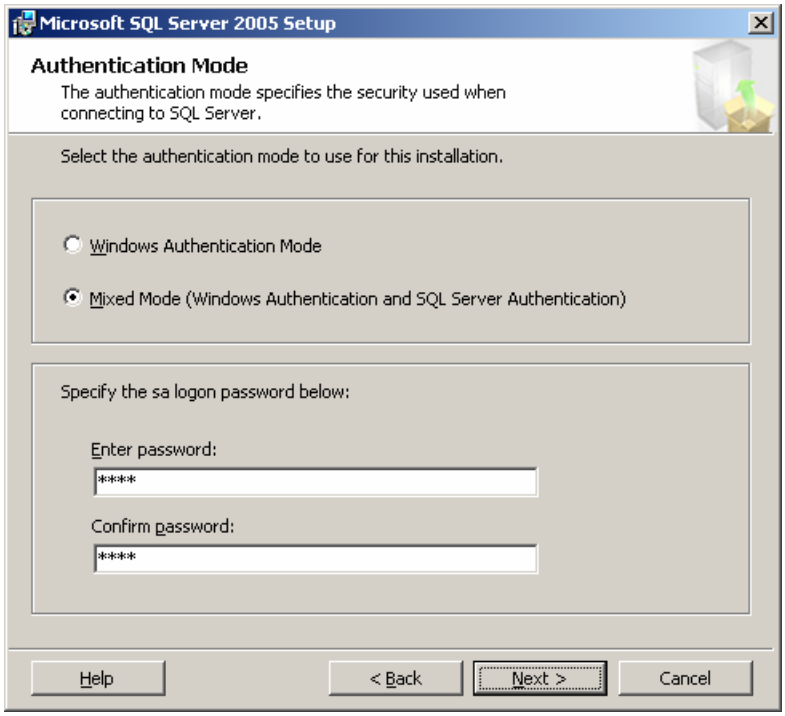
16. Click **Next**.
17. Select **Default Instance** radio button.


Microsoft SQL Server 2005 Setup
Instance Name
You can install a default instance or you can specify a named instance.
Provide a name for the instance. For a default installation, click Default instance and click Next. To upgrade an existing default instance, click Default instance. To upgrade an existing named instance select Named instance and specify the instance name.
Default instance
Named instance
Help
< Back
Next >
Cancel

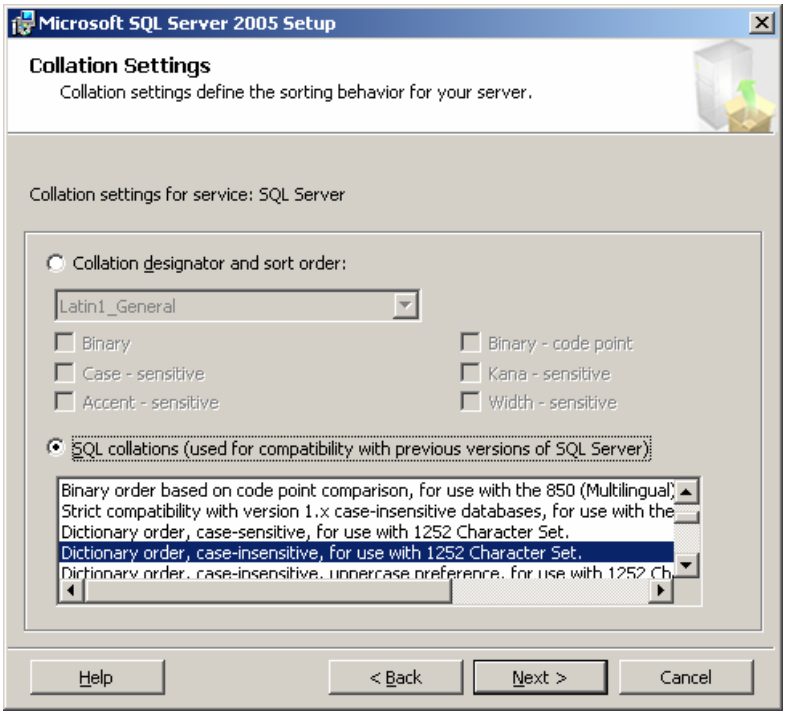
18. Click **Next**.
19. Select *Use the built-in System account* option and select *Local System* form the drop-down menu account.



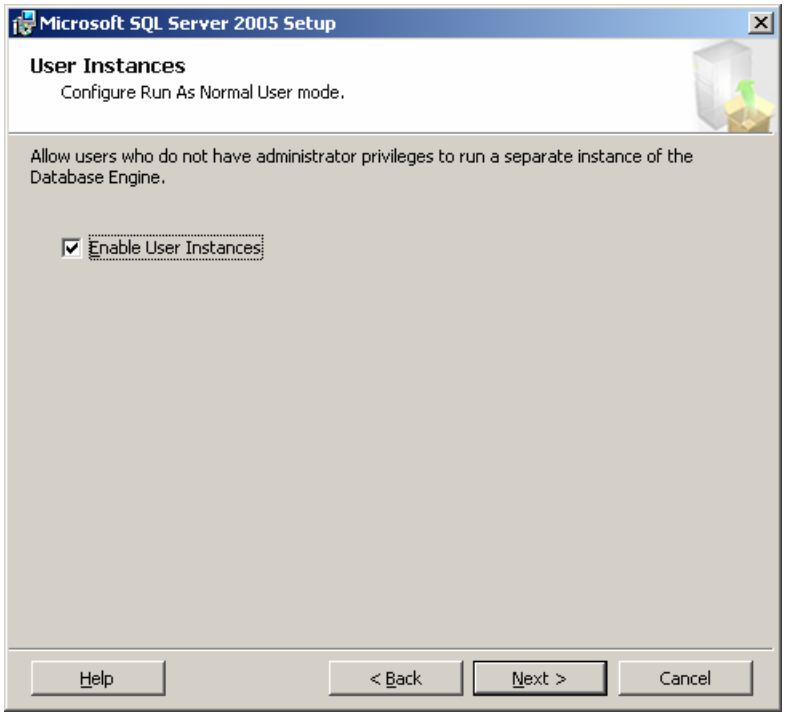
20. Click **Next**.
21. Select *Mixed Mode* authentication option and enter a password.


Microsoft SQL Server 2005 Setup
Authentication Mode
The authentication mode specifies the security used when connecting to SQL Server.
Select the authentication mode to use for this installation.
Windows Authentication Mode
Mixed Mode (Windows Authentication and SQL Server Authentication)
Specify the sa logon password below:
Enter password:
Confirm password:
Help
< Back
Next >
Cancel

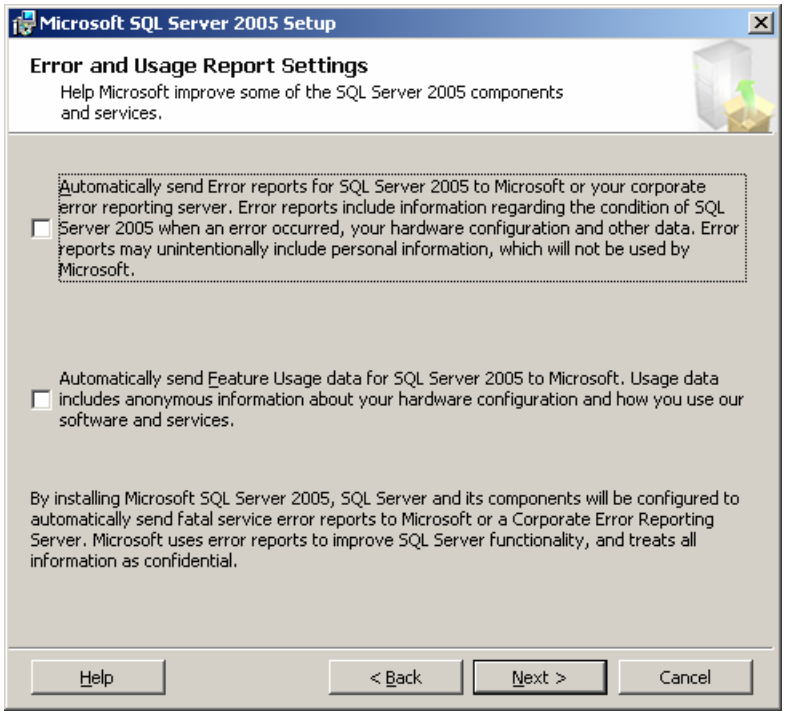
22. Click **Next**.
23. Leave the default *Collation Settings* selection as is.


Microsoft SQL Server 2005 Setup
Collation Settings
Collation settings define the sorting behavior for your server.
Collation settings for service: SQL Server
Collation designator and sort order:
Latin1_General
Binary
Case - sensitive
Accent - sensitive
Binary - code point
Kana - sensitive
Width - sensitive
SQL collations (used for compatibility with previous versions of SQL Server)
Binary order based on code point comparison, for use with the 850 (Multilingual)
Strict compatibility with version 1.x case-insensitive databases, for use with the
Dictionary order, case-sensitive, for use with 1252 Character Set.
Dictionary order, case-insensitive, for use with 1252 Character Set.
Help
< Back
Next >
Cancel

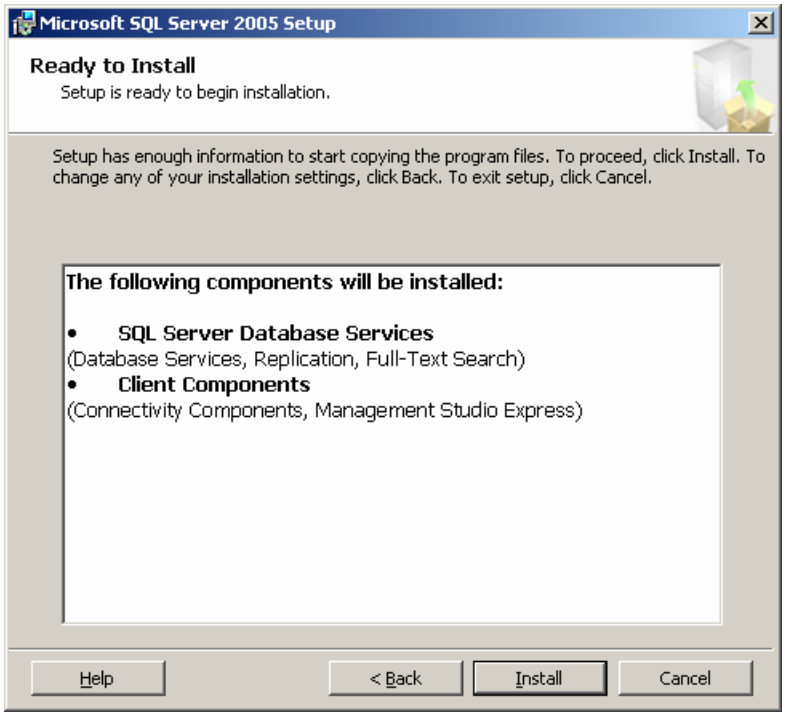
24. Click **Next**.
25. Select **Enable User Interface**


Microsoft SQL Server 2005 Setup
User Instances
Configure Run As Normal User mode.
Allow users who do not have administrator privileges to run a separate instance of the Database Engine.
Enable User Instances
Help
< Back
Next >
Cancel

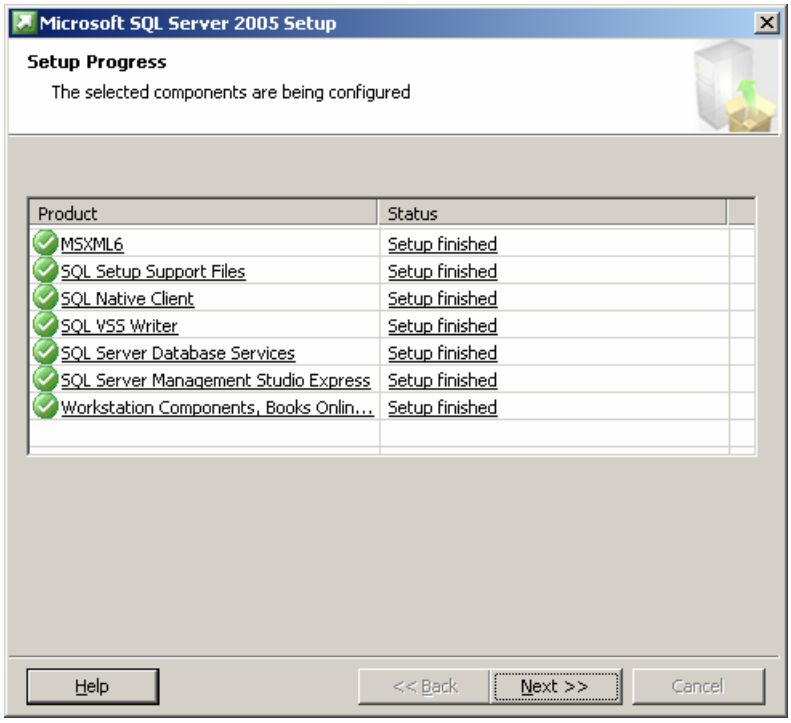
26. Click **Next**.
27. Remove both the check marks (if selected) from the following screen:


Microsoft SQL Server 2005 Setup
Error and Usage Report Settings
Help Microsoft improve some of the SQL Server 2005 components and services.
Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.
Automatically send Feature Usage data for SQL Server 2005 to Microsoft. Usage data includes anonymous information about your hardware configuration and how you use our software and services.
By installing Microsoft SQL Server 2005, SQL Server and its components will be configured to automatically send fatal service error reports to Microsoft or a Corporate Error Reporting Server. Microsoft uses error reports to improve SQL Server functionality, and treats all information as confidential.
Help
< Back
Next >
Cancel

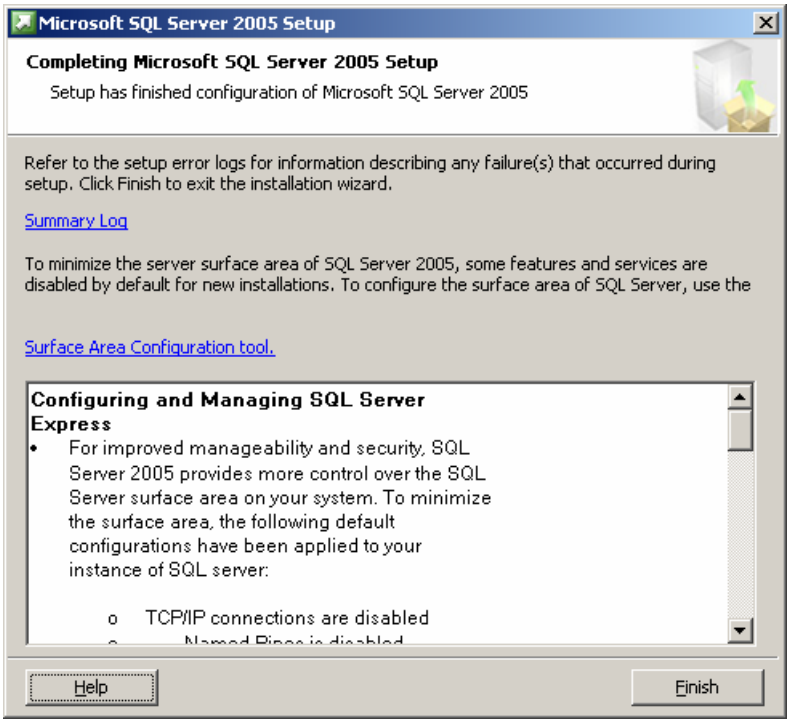
28. Click **Next**.
29. Click **Install**.


Microsoft SQL Server 2005 Setup
Ready to Install
Setup is ready to begin installation.
Setup has enough information to start copying the program files. To proceed, click Install. To change any of your installation settings, click Back. To exit setup, click Cancel.
The following components will be installed:
SQL Server Database Services
(Database Services, Replication, Full-Text Search)
Client Components
(Connectivity Components, Management Studio Express)
Help
< Back
Install
Cancel

30. Verify that all products were installed.



31. Click **Next**.


Microsoft SQL Server 2005 Setup
Completing Microsoft SQL Server 2005 Setup
Setup has finished configuration of Microsoft SQL Server 2005
Refer to the setup error logs for information describing any failure(s) that occurred during setup. Click Finish to exit the installation wizard.
Summary Log
To minimize the server surface area of SQL Server 2005, some features and services are disabled by default for new installations. To configure the surface area of SQL Server, use the
Surface Area Configuration tool.
Configuring and Managing SQL Server Express
For improved manageability and security, SQL Server 2005 provides more control over the SQL Server surface area on your system. To minimize the surface area, the following default configurations have been applied to your instance of SQL server:
TCP/IP connections are disabled
Help
Finish

32. Click **Finish** and reboot the machine.

Service Pack for SQL

Installing SP2 for SQL 2005.

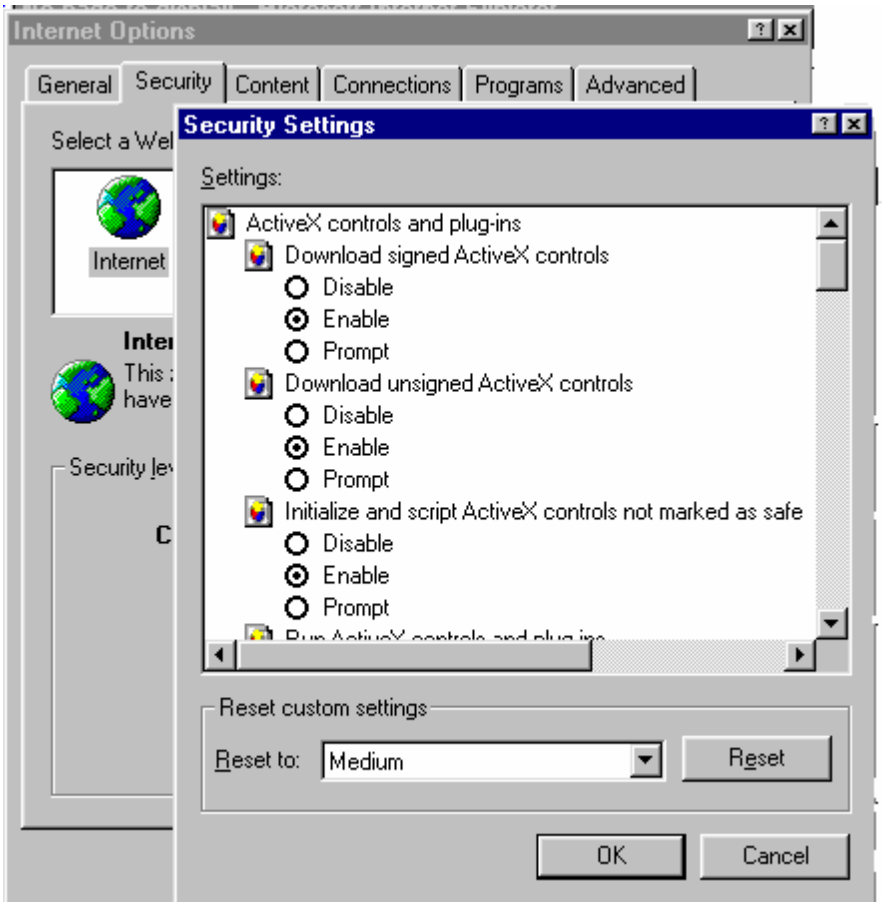
SQL Configuration

From the computer where the SQL Sever 2005 is installed, do the following:

1. Open the *SQL Server Surface Area Configuration*.
2. From the Start menu: **Start > Programs > Configuration Tools > SQL Server** Surface Area Configuration
3. Click **Surface Area Configuration for Services and Connections**
4. Select **View by Instance tab**
5. Expand the relevant SQL Server instance
6. Expand the Database Engine branch
7. Select the **Remote Connections branch**
8. Select **Local and remote connections** on the right-hand side pane
9. Select **Using both TCP/IP and named pipes**
10. Click **OK**
11. Stop and Start the SQL Server service

Changing the Web Security Settings

1. Open the Internet Explorer
2. Select > **Tools / Internet Options / Security / Internet / Custom level**
3. Check the radio buttons for **ActiveX controls and plug-ins** to **enable**



4. Click **OK**
5. Select > *Local Internet/Custom levels* - Check the radio buttons for ActiveX controls and plug-ins to **enable**
6. Click **OK**
7. Click **Apply**

Checking Services Required for Installation

During the installation process, you will be required to add the following Window components. See next section for Server installation instructions.

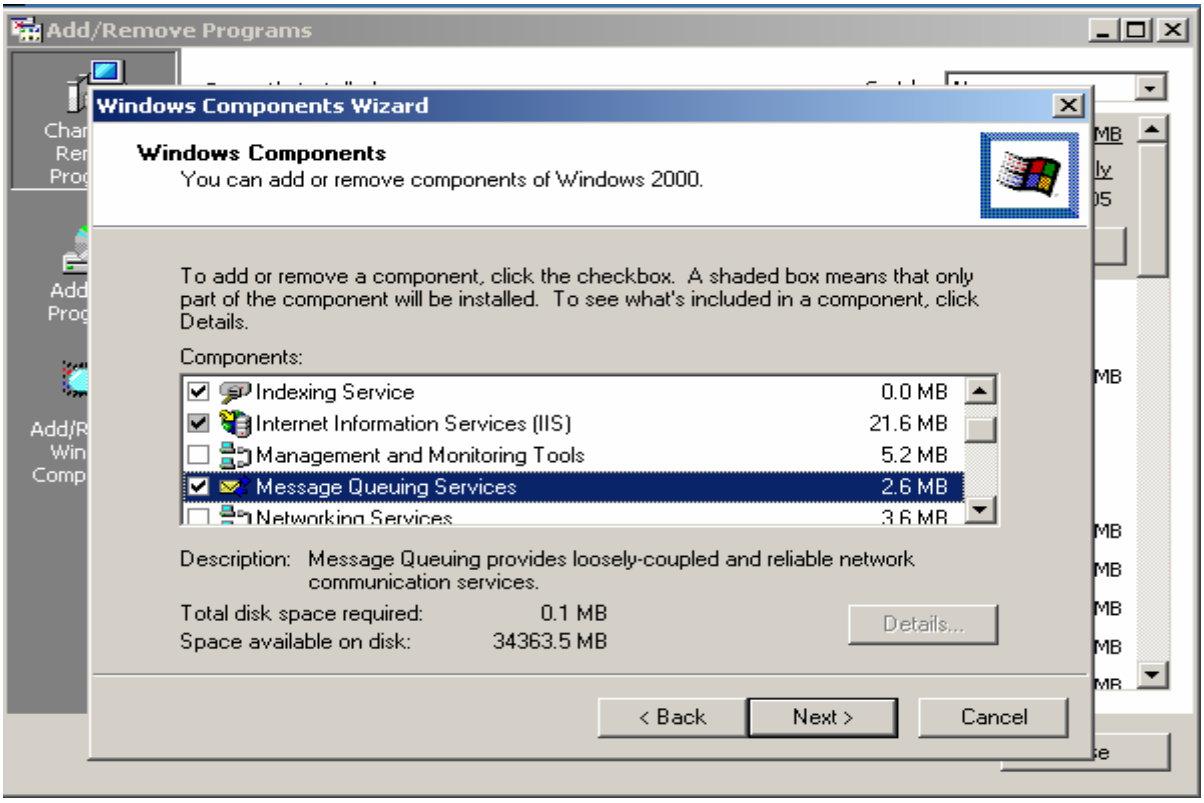
- Indexing Service
- Message Queuing Services
- Internet information Services (IIS)

- File Transfer Protocol (FTP) Server
- SMTP Service

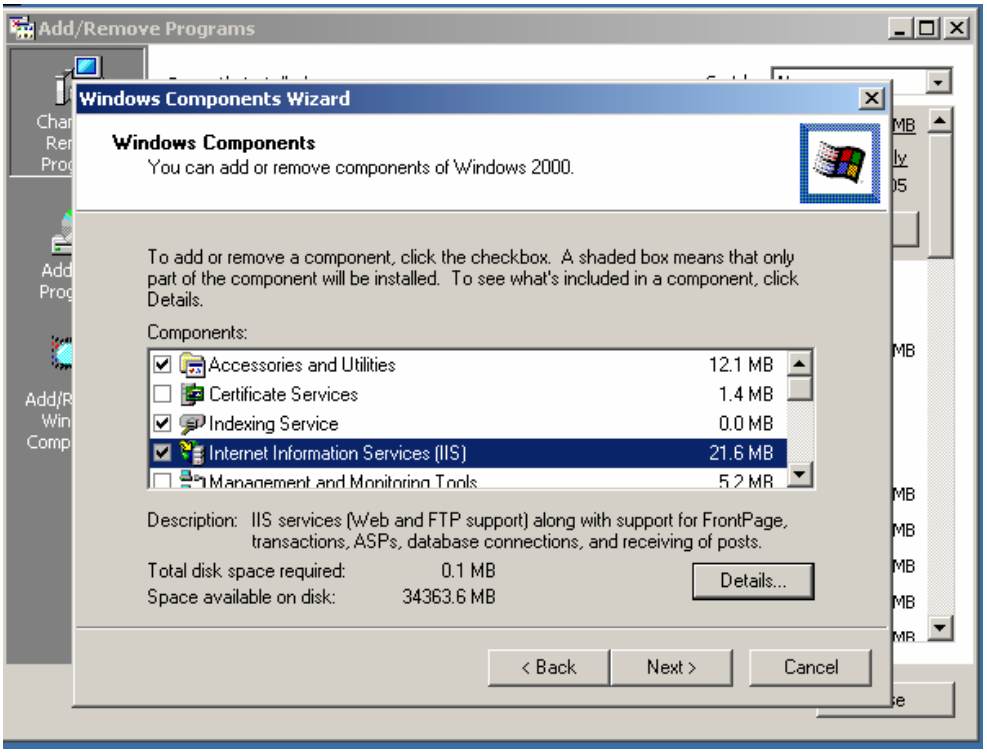
Windows 2000 Server

1. Start > **Settings > Control Panel > Add Remove Programs > Add Remove Windows Components**

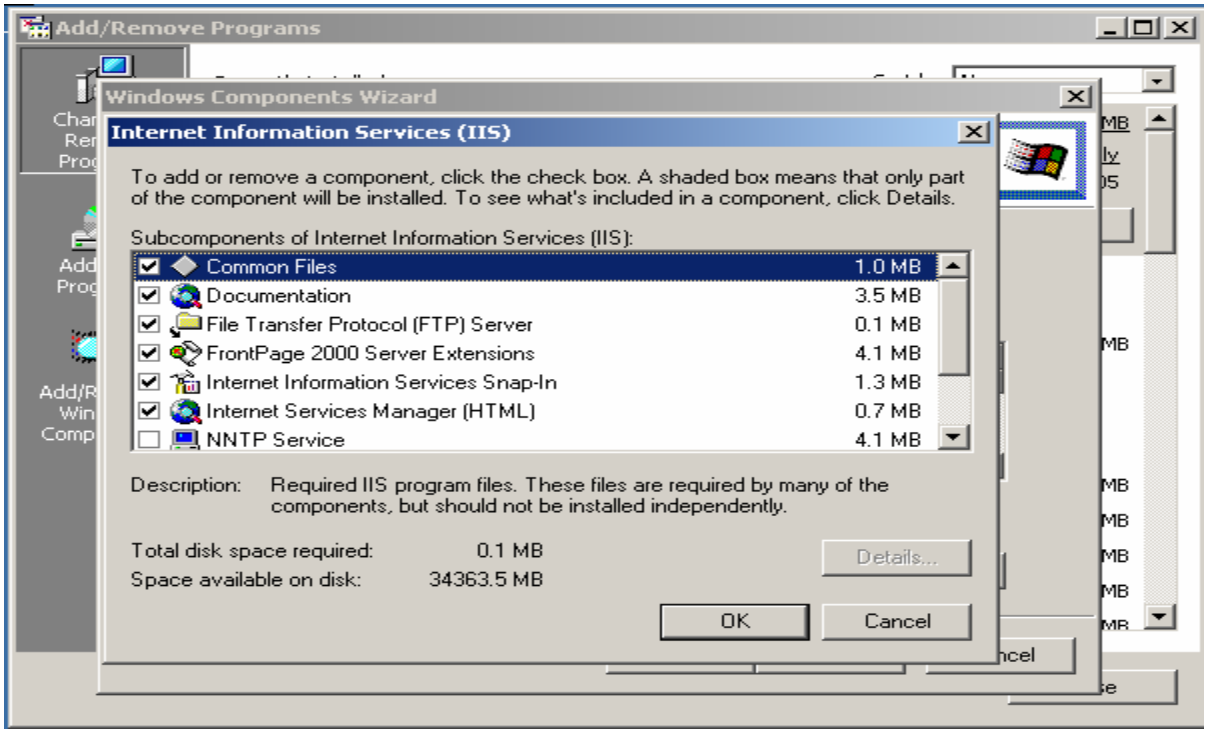
   If one of these options is missing, check the checkbox and follow the wizard.


Add/Remove Programs
Windows Components Wizard
Windows Components
You can add or remove components of Windows 2000.
To add or remove a component, click the checkbox. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Components:
Indexing Service 0.0 MB
Internet Information Services (IIS) 21.6 MB
Management and Monitoring Tools 5.2 MB
Message Queuing Services 2.6 MB
Description: Message Queuing provides loosely-coupled and reliable network communication services.
Total disk space required: 0.1 MB
Space available on disk: 34363.5 MB
Details...
< Back
Next >
Cancel

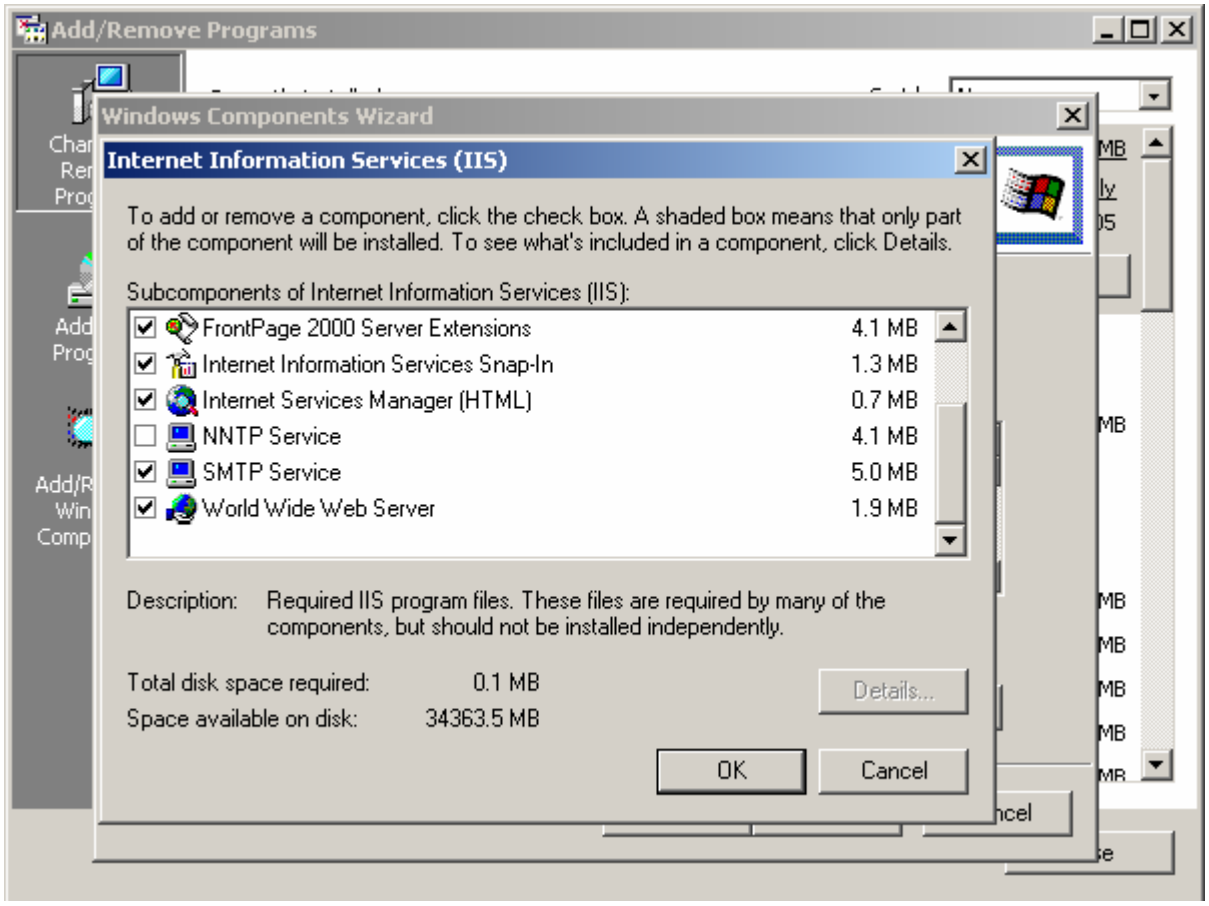
2. Ensure that the following checkboxes are checked:
   - Indexing Service
   - Message Queuing Services
   - Internet information Services (IIS)


Add/Remove Programs
Windows Components Wizard
Windows Components
You can add or remove components of Windows 2000.
To add or remove a component, click the checkbox. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Components:
Accessories and Utilities 12.1 MB
Certificate Services 1.4 MB
Indexing Service 0.0 MB
Internet Information Services (IIS) 21.6 MB
Management and Monitoring Tools 5.2 MB
Description: IIS services (Web and FTP support) along with support for FrontPage, transactions, ASPs, database connections, and receiving of posts.
Total disk space required: 0.1 MB
Space available on disk: 34363.6 MB
Details...
< Back
Next >
Cancel

3. Select **Internet Information Services (IIS)** Click **Details**.


Add/Remove Programs
Windows Components Wizard
Internet Information Services (IIS)
To add or remove a component, click the check box. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Subcomponents of Internet Information Services (IIS):
Common Files 1.0 MB
Documentation 3.5 MB
File Transfer Protocol (FTP) Server 0.1 MB
FrontPage 2000 Server Extensions 4.1 MB
Internet Information Services Snap-In 1.3 MB
Internet Services Manager (HTML) 0.7 MB
NNTP Service 4.1 MB
Description: Required IIS program files. These files are required by many of the components, but should not be installed independently.
Total disk space required: 0.1 MB
Space available on disk: 34363.5 MB
Details...
OK
Cancel

4. Check **File Transfer Protocol (FTP) Server.**


Add/Remove Programs
Windows Components Wizard
Internet Information Services (IIS)
To add or remove a component, click the check box. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Subcomponents of Internet Information Services (IIS):
FrontPage 2000 Server Extensions 4.1 MB
Internet Information Services Snap-In 1.3 MB
Internet Services Manager (HTML) 0.7 MB
NNTP Service 4.1 MB
SMTP Service 5.0 MB
World Wide Web Server 1.9 MB
Description: Required IIS program files. These files are required by many of the components, but should not be installed independently.
Total disk space required: 0.1 MB
Space available on disk: 34363.5 MB
Details...
OK
Cancel

5. **Check File Transfer Protocol (FTP) Server**.
6. Select **SMTP Service**. Click **OK**

Installing PV4E

To install upgrades, please go to: Installing PV4E Upgrades

The following instructions refer to the installation of PV4E as a first time installation. If you have a previous version of PV4E installed, refer to the section Upgrading PV4E Software in this document.

You only need to install PV4E on the server.

PV4E is installed onto the server by running the setup program on the installation CD received from RiT. The setup program prompts you to enter the required fields and automatically installs the application.

Note:

You need to enter your License number that you should already have obtained from RiT. Please have it available.

PV4E Installation

- To install PV4E

1. Insert the PV4E Installation CD into the CD Rom disk drive.

The following *PatchView for the Enterprise Installation* Window opens. The screen is divided into two parts. The first is *Installation* the second *Documentation.* At this point, you can install PV4E only or PV4E and accompanying documentation.

Figure 1 - PatchView for the Enterprise Installation window

To install PV4E only: Click **OK** on the left-hand side of the screen, under *Installation.*

To install the documentation: Under *Documentation* on the right-hand side, click **OK** next to User Manual PVMax. The manual is in PDF format, therefore you will need a PDF reader installed on your computer. Release Notes are not available with this installation.

The system prepares the InstallShield Wizard.

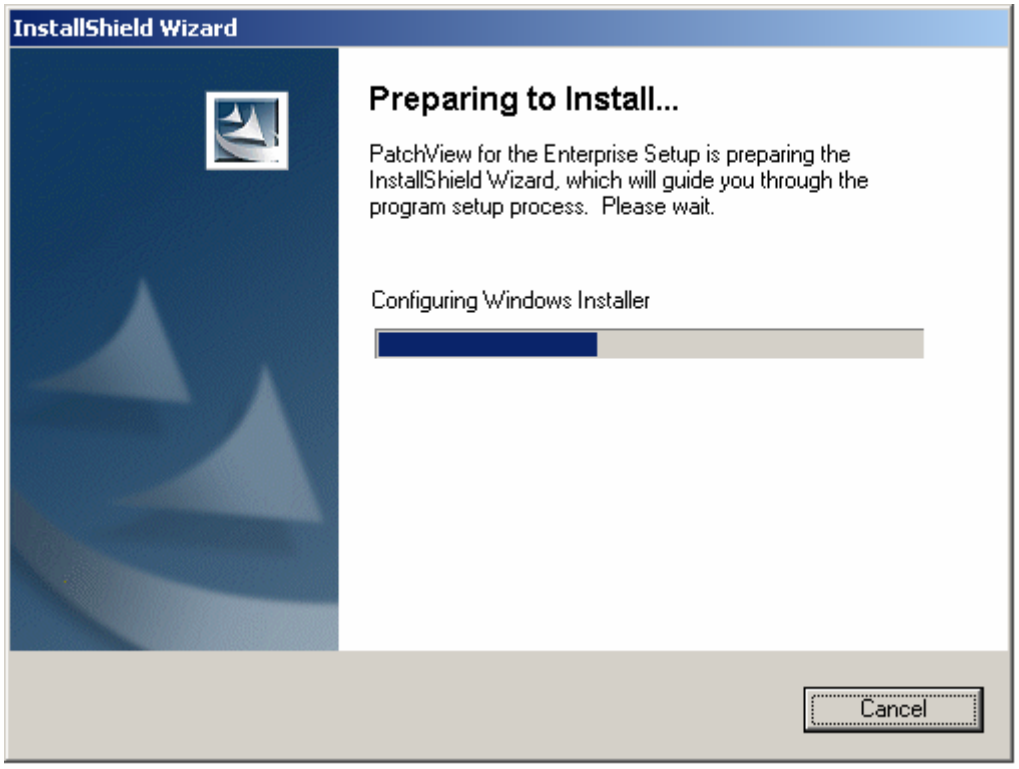

InstallShield Wizard
Preparing to Install...
PatchView for the Enterprise Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

Figure 2 - InstallShield Wizard

The *PatchView for the Enterprise 5.0* Setup box opens.

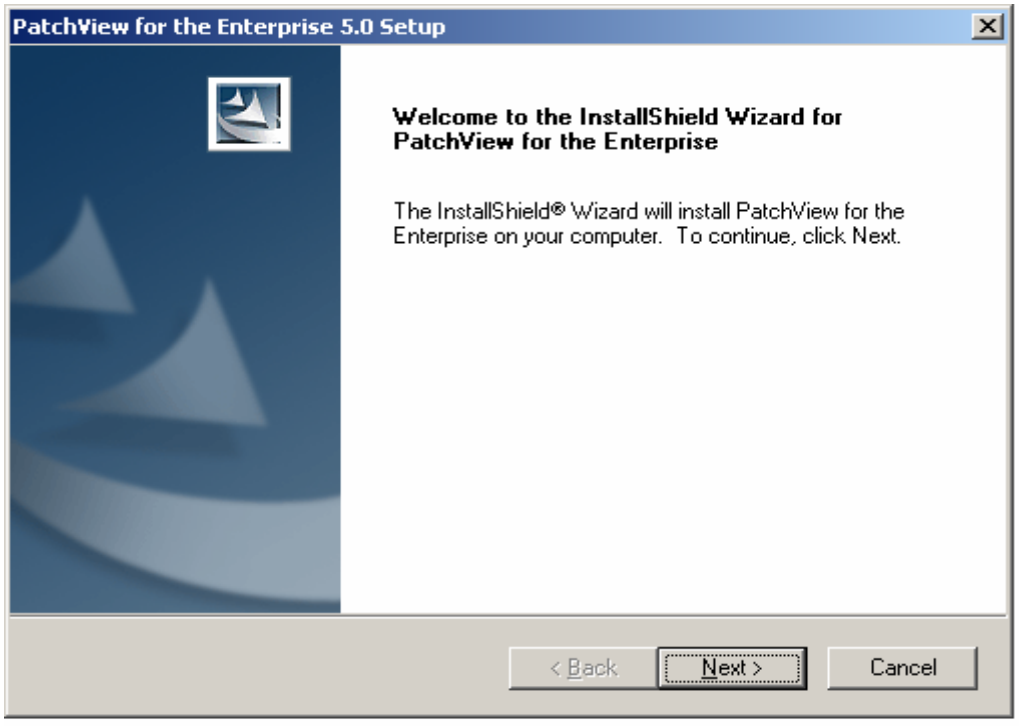
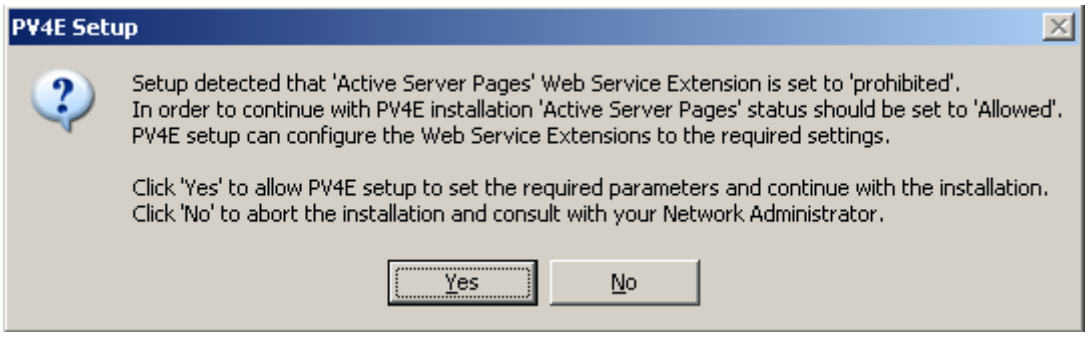

PatchView for the Enterprise 5.0 Setup
Welcome to the InstallShield Wizard for PatchView for the Enterprise
The InstallShield® Wizard will install PatchView for the Enterprise on your computer. To continue, click Next.
< Back
Next >
Cancel

Figure 3 - InstallShield Wizard window

2. If .NET elements are not installed on the server, a window opens informing that the required .NET elements are being installed. This process may take a few minutes. On completion, the PV4E installation continues. Click **Next** to continue.

If the *Active Server Pages* on your machine is set to 'prohibited' the following message is received.


PV4E Setup
Setup detected that 'Active Server Pages' Web Service Extension is set to 'prohibited'.
In order to continue with PV4E installation 'Active Server Pages' status should be set to 'Allowed'.
PV4E setup can configure the Web Service Extensions to the required settings.
Click 'Yes' to allow PV4E setup to set the required parameters and continue with the installation.
Click 'No' to abort the installation and consult with your Network Administrator.
Yes
No

3. To allow the PV4E installation to continue click **Yes**. This allows the required parameters to be set. Click **No** to abort installation.

The *PatchView for the Enterprise Setup* - License Agreement dialog box opens.

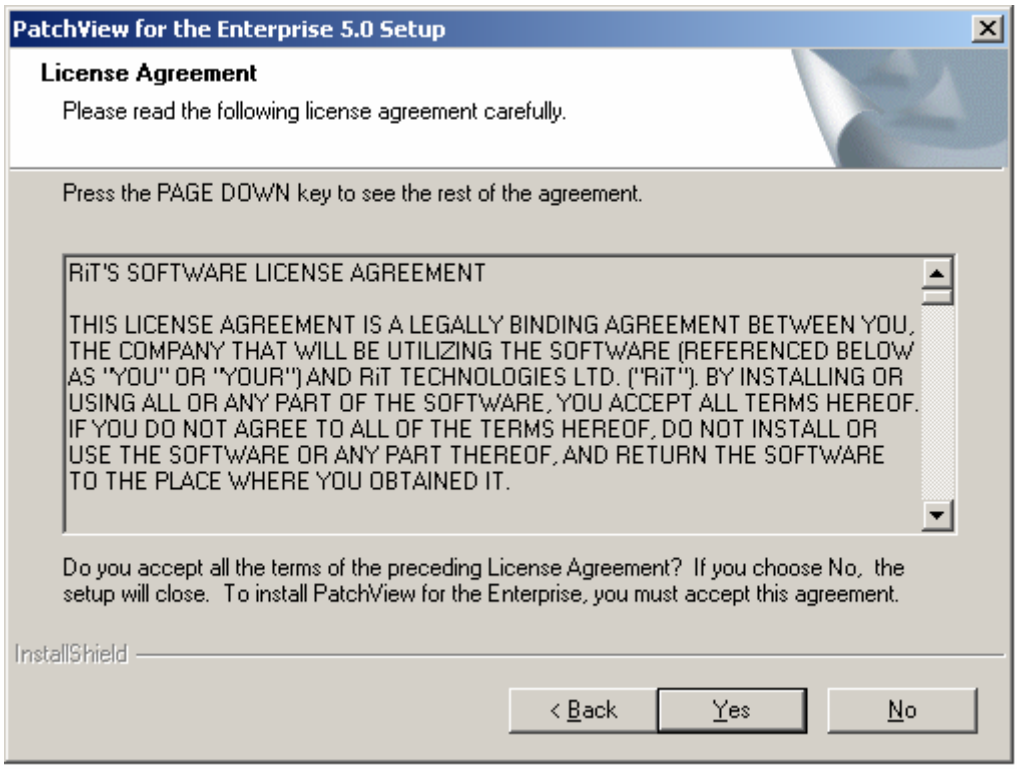

PatchView for the Enterprise 5.0 Setup
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
RiT'S SOFTWARE LICENSE AGREEMENT
THIS LICENSE AGREEMENT IS A LEGALLY BINDING AGREEMENT BETWEEN YOU, THE COMPANY THAT WILL BE UTILIZING THE SOFTWARE (REFERENCED BELOW AS "YOU" OR "YOUR") AND RiT TECHNOLOGIES LTD. ("RiT"). BY INSTALLING OR USING ALL OR ANY PART OF THE SOFTWARE, YOU ACCEPT ALL TERMS HEREOF. IF YOU DO NOT AGREE TO ALL OF THE TERMS HEREOF, DO NOT INSTALL OR USE THE SOFTWARE OR ANY PART THEREOF, AND RETURN THE SOFTWARE TO THE PLACE WHERE YOU OBTAINED IT.
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PatchView for the Enterprise, you must accept this agreement.
InstallShield
< Back
Yes
No

Figure 4 - PatchView for the Enterprise Setup - License Agreement dialog box

4. Please read the agreement carefully. Click **Yes** to continue.

The User Information dialog box opens.

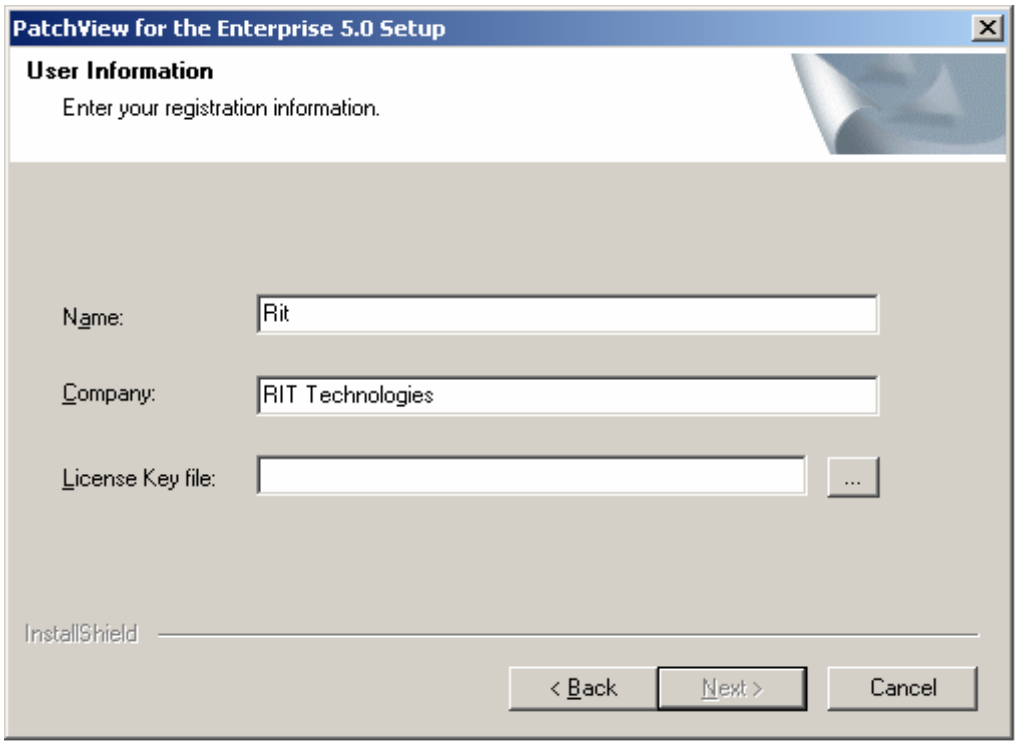
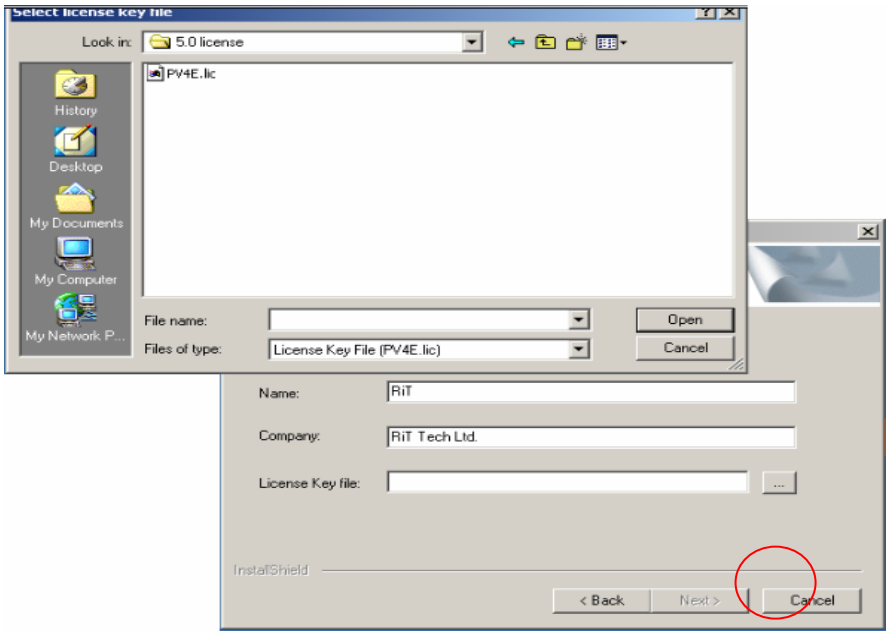


Figure 5 - User Information dialog box

5. Enter the *Name* and *Company* details. The *License Key file* is supplied with the software. To locate, click the *ellipsis* button to locate the License Key file. The following Select License Key file screen opens. Select file and click **Open**. The *License Key file* appears in the License Key file field. Click **Next**.



Note:

*The **Next** button is enabled after a License Key file is entered.*

The Select Features dialog box opens.

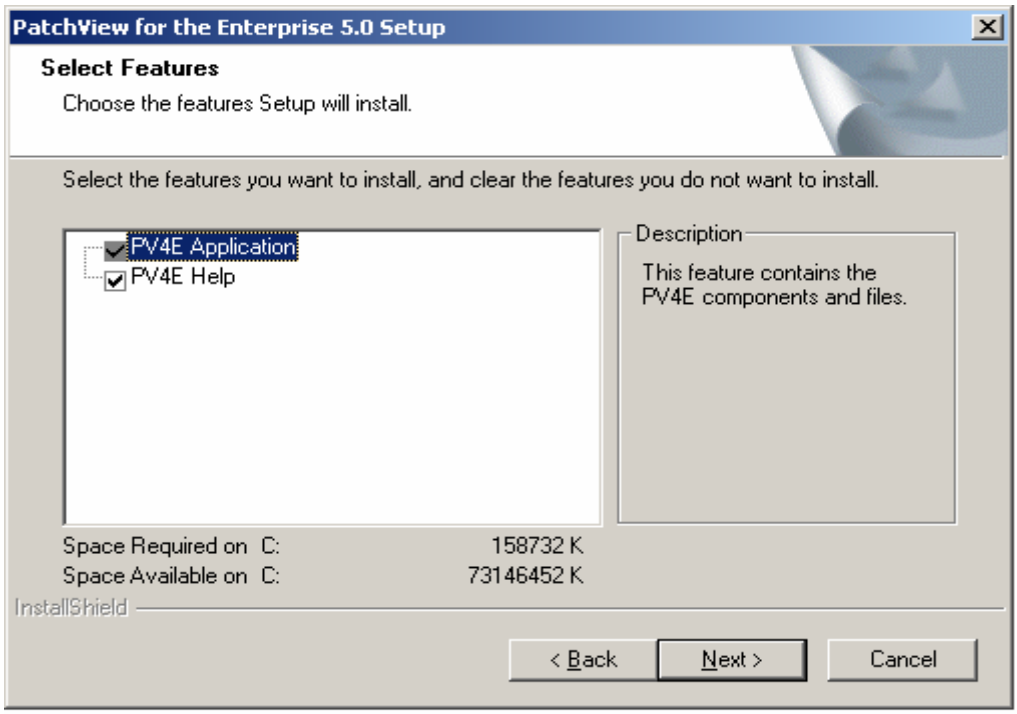

PatchView for the Enterprise 5.0 Setup
Select Features
Choose the features Setup will install.
Select the features you want to install, and clear the features you do not want to install.
PV4E Application
PV4E Help
Description
This feature contains the PV4E components and files.
Space Required on C: 158732 K
Space Available on C: 73146452 K
InstallShield
< Back
Next >
Cancel

Figure 6 - Select Features dialog box

The PV4E CD includes the following components:

- PV4E Application
- PV4E Help

These checkboxes are selected by default.

If SQL is installed at a different location (remote server) then the database can be installed on the remote server.

The database is automatically installed. There is no checkbox for the database.

6. Click **Next** to continue.

   The PV4E *Edit Data* dialog box opens.

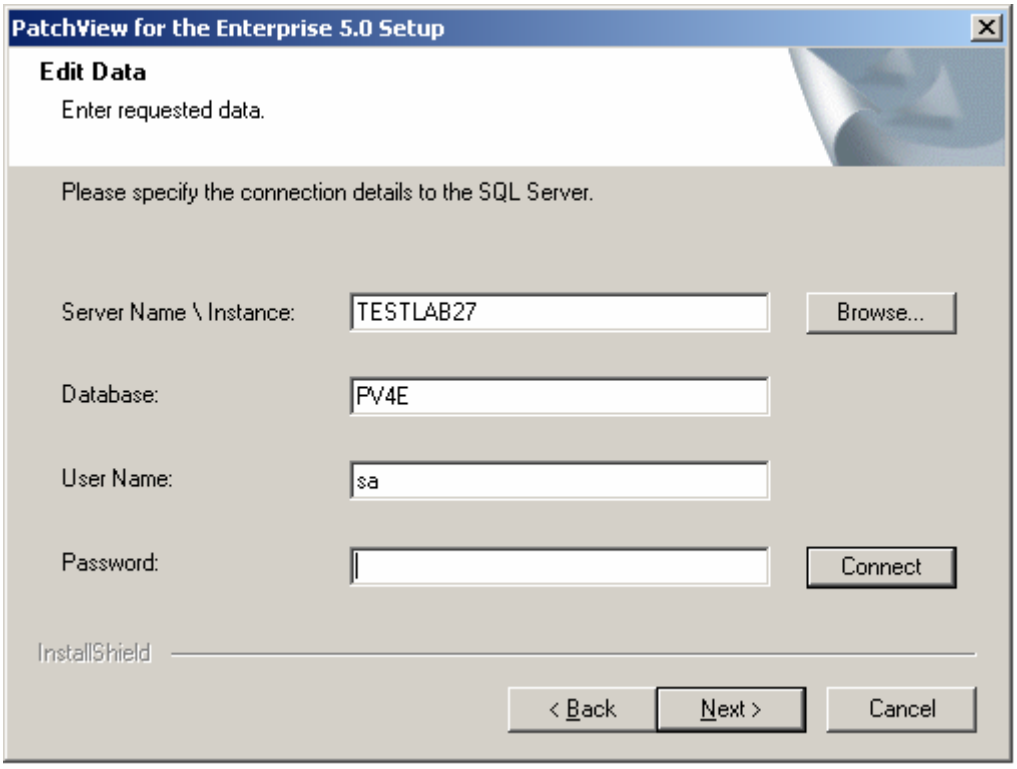


Figure 7 – Edit Datan dialog box

7. Enter the connection path to the SQL server in the above fields.
8. Click **Next** to continue.

   The *Application Account* dialog box opens.
9. Check the radio button to select either Interactive User or This user (current user)

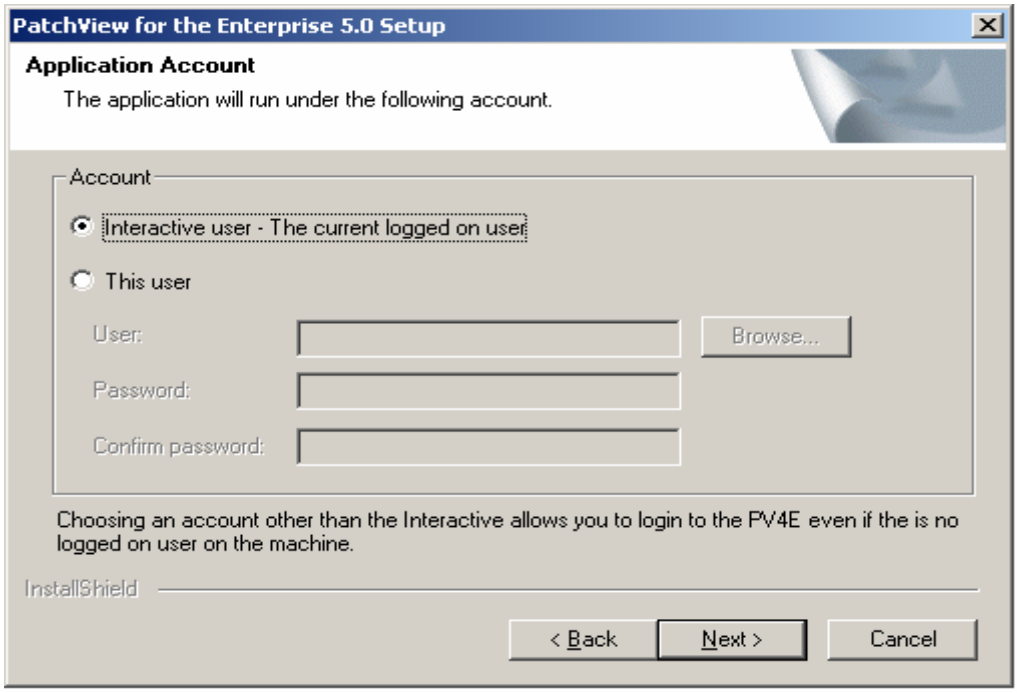

PatchView for the Enterprise 5.0 Setup
Application Account
The application will run under the following account.
Account
Interactive user - The current logged on user
This user
User:
Browse...
Password:
Confirm password:
Choosing an account other than the Interactive allows you to login to the PV4E even if the is no logged on user on the machine.
InstallShield
< Back
Next >
Cancel

Figure 8 – Application Account dialog

10. Click **Next** to continue.

The *Choose Destination* dialog box opens.

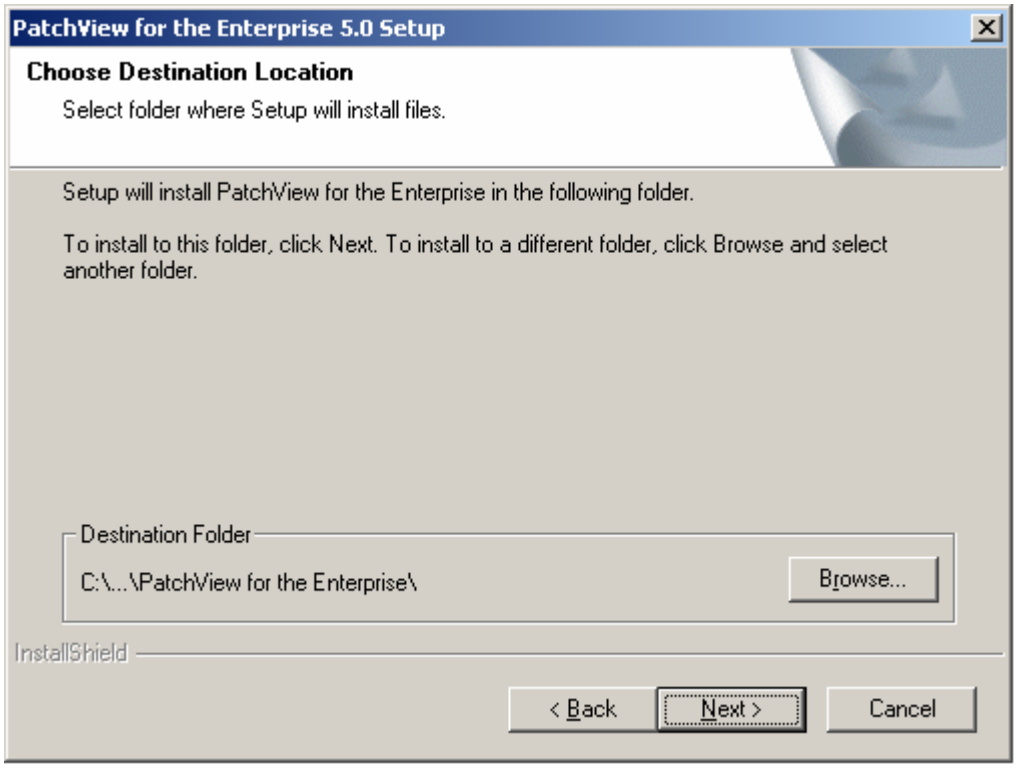

PatchView for the Enterprise 5.0 Setup
Choose Destination Location
Select folder where Setup will install files.
Setup will install PatchView for the Enterprise in the following folder.
To install to this folder, click Next. To install to a different folder, click Browse and select another folder.
Destination Folder
C:\...\PatchView for the Enterprise\
Browse...
InstallShield
< Back
Next >
Cancel

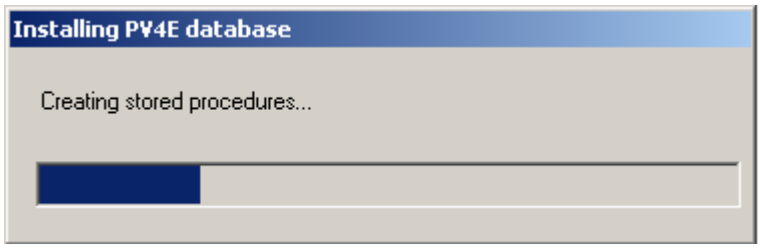
Figure 9 – Choose Destination Location dialog box

11. If you want to install PV4E in another location, click **Browse** and select the location, click **OK.** Click **Next** to continue.

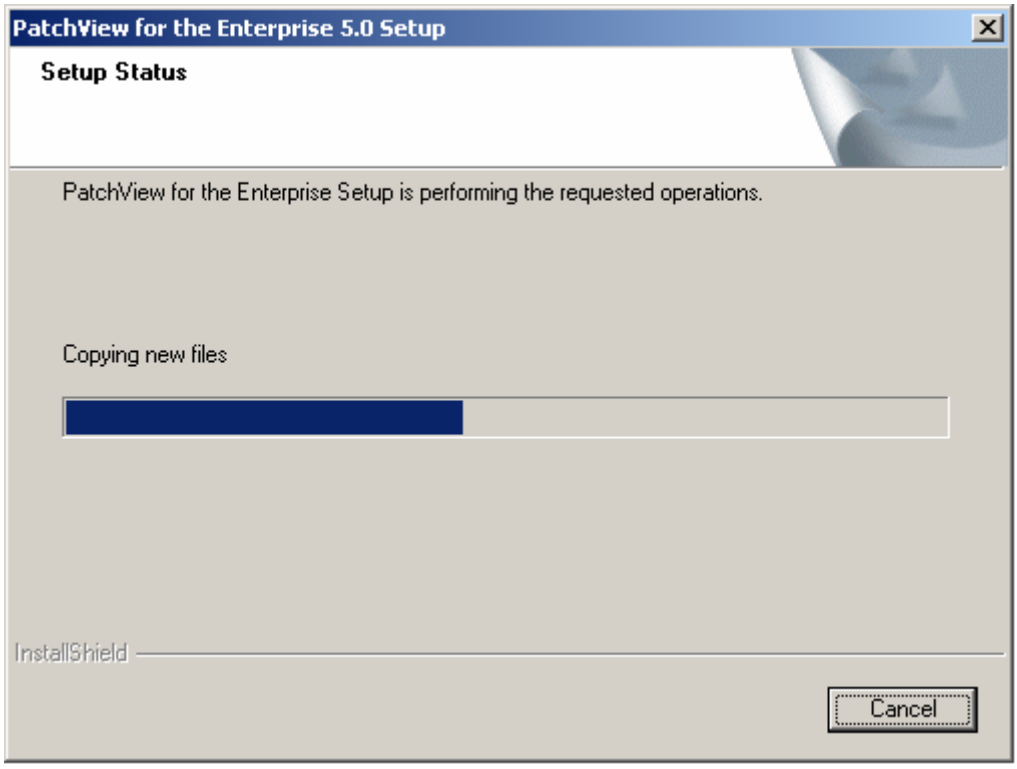
The following box appears.

This is to temporarily stop the Internet Information Services (IIS) while this part of the PV4E installation takes place.

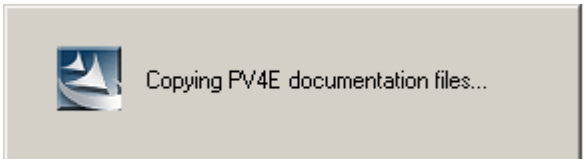
The following box appears



The following *Setup Status* dialog box appears



PV4E starts the installation. A series of indicator status screens opens. The Setup Status dialog box opens giving the current status of the installation.



The *InstallShield Wizard* Complete dialog box opens:

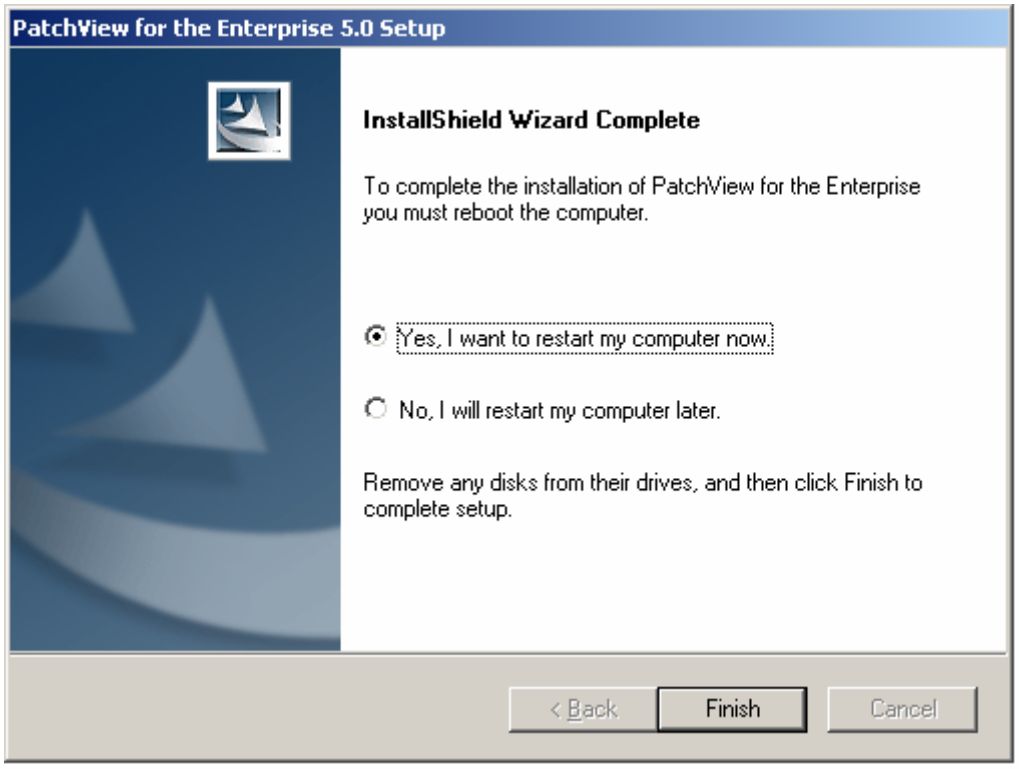
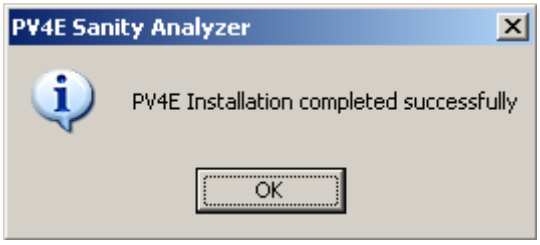

PatchView for the Enterprise 5.0 Setup
InstallShield Wizard Complete
To complete the installation of PatchView for the Enterprise you must reboot the computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

Figure 10 - PV4E InstallShield Wizard Complete dialog box

12. It is recommended to select **Reboot**. Click **Finish** to complete the installation. You should reboot the system immediately after installation.
13. The Verifying PV4E installation dialog box appears:

Finally, the PV4E Sanity Analyzer dialog box opens:



The *Sanity Analyzer* process checks that all components were installed properly.

Leave the CD in the CD Rom disk drive. Sometimes after the reboot, further installation tasks are performed automatically after the Windows login.

The RiT icon for PV4E Server appears in the Status Bar of your desktop.

Upgrading PV4E Software

You must have a previous version of PV4E to perform the upgrade procedure. Install PV4E upgrades only on the PV4E Server.

The upgrade procedure uninstalls the existing version before installing the new version.

Note:

There is no license number for PV4E V5.0 upgrade. A license file is used instead and is supplied with the software.

Installing PV4E Upgrades

Note:

While the contents of the database are not modified during the upgrade process, you should backup the PV4E database before running the upgrade. In addition, you should also backup any non-PatchView data in this directory before upgrade.

1. Insert the PV4E Installation CD into the CD Rom disk drive.
   The PatchView for the Enterprise Installation Window opens.

   The following *PatchView for the Enterprise Installation* Window opens. The screen is divided into two parts. The first is *Installation* the second *Documentation.* At this point, you can install PV4E only or PV4E and accompanying documentation.

Figure 11 - PatchView for the Enterprise Installation window

To install PV4E only: Click **OK** on the *Installation* side of the screen.

To install the documentation: Under *Documentation* on the right-hand side Click **OK** next to the documents you want to install.

The system prepares the InstallShield Wizard.

The *Upgrade InstallShield Wizard* dialog box opens.

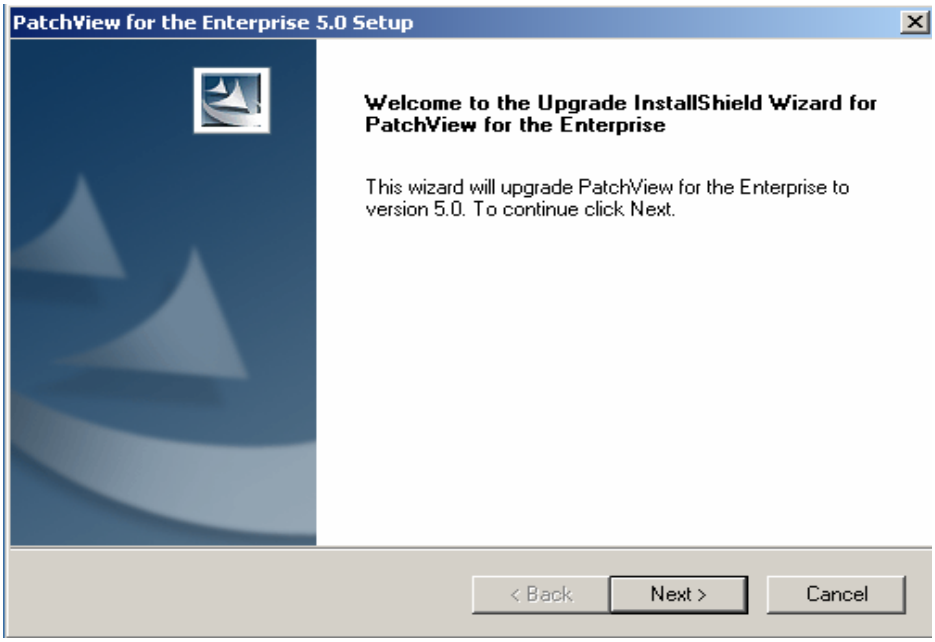

PatchView for the Enterprise 5.0 Setup
Welcome to the Upgrade InstallShield Wizard for PatchView for the Enterprise
This wizard will upgrade PatchView for the Enterprise to version 5.0. To continue click Next.
< Back
Next >
Cancel

Figure 12 – InstallShield Wizard window

2. Click **Next** to continue.
3. The *License Agreement* dialog box opens.

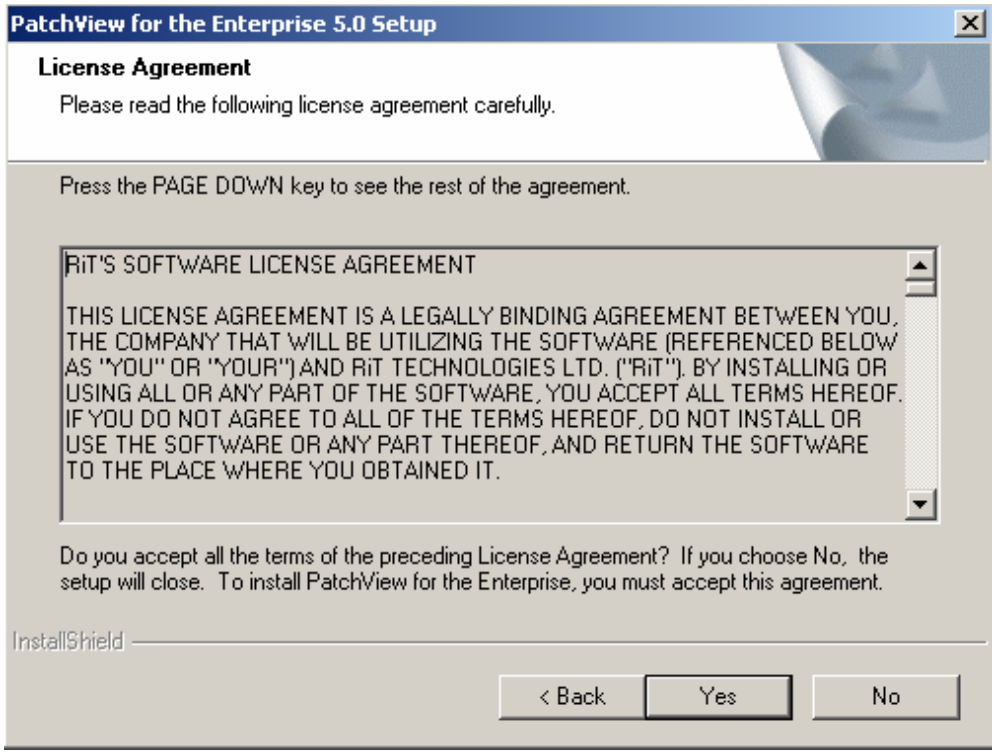

PatchView for the Enterprise 5.0 Setup
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
RiT'S SOFTWARE LICENSE AGREEMENT
THIS LICENSE AGREEMENT IS A LEGALLY BINDING AGREEMENT BETWEEN YOU, THE COMPANY THAT WILL BE UTILIZING THE SOFTWARE (REFERENCED BELOW AS "YOU" OR "YOUR") AND RiT TECHNOLOGIES LTD. ("RiT"). BY INSTALLING OR USING ALL OR ANY PART OF THE SOFTWARE, YOU ACCEPT ALL TERMS HEREOF. IF YOU DO NOT AGREE TO ALL OF THE TERMS HEREOF, DO NOT INSTALL OR USE THE SOFTWARE OR ANY PART THEREOF, AND RETURN THE SOFTWARE TO THE PLACE WHERE YOU OBTAINED IT.
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PatchView for the Enterprise, you must accept this agreement.
InstallShield
< Back
Yes
No

Figure 13 – License Agreement dialog box

4. Please read the agreement carefully. Click **Yes** to continue.

   The *User Information* dialog box opens.

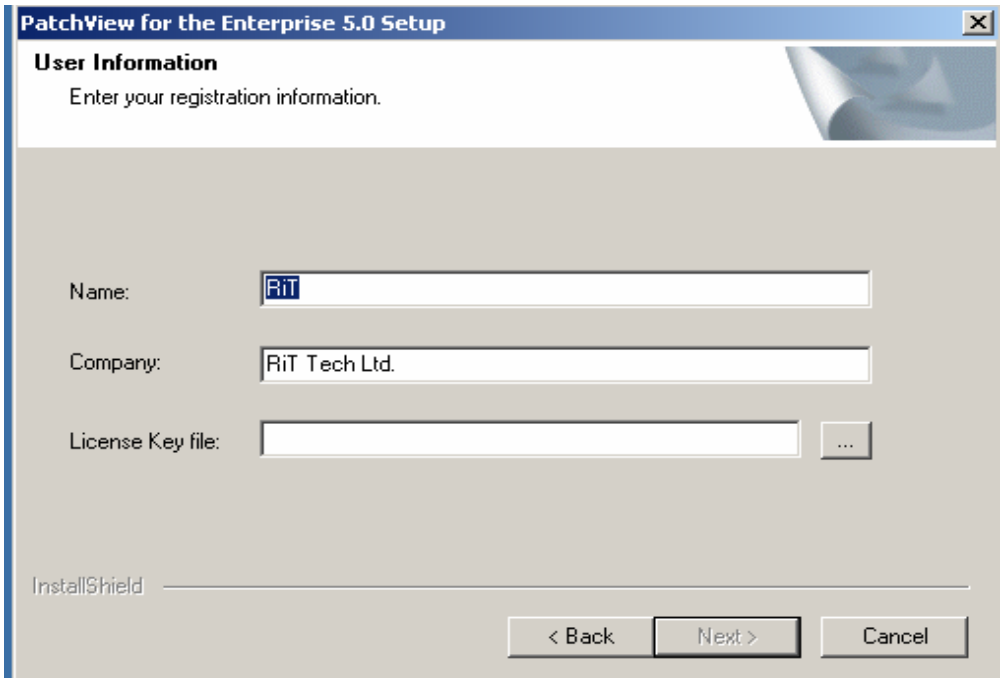
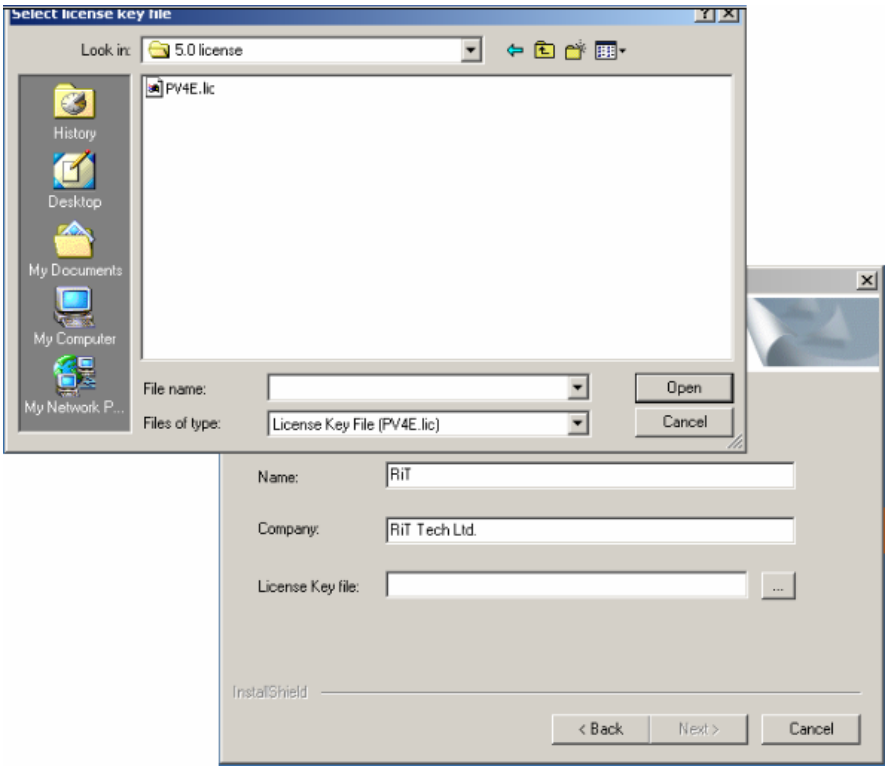


Figure 14 - User Information dialog box

5. Enter the Name and Company. The License Key file is supplied with the software. To locate, click the ellipsis button to locate the License Key file. The following *Select License Key file* screen opens. Select file and click **Open**. The License Key file appears in the License Key file field. Click **Next**.



Note:

*The **Next** button is enabled after a License Key file is entered.*

6. Click **Next** to continue.

   The *Application Account* dialog box opens.

7. Check the radio button to select either *Interactive User* or *This user* (current user). The following screen shows that the *Interactive User* has been selected.

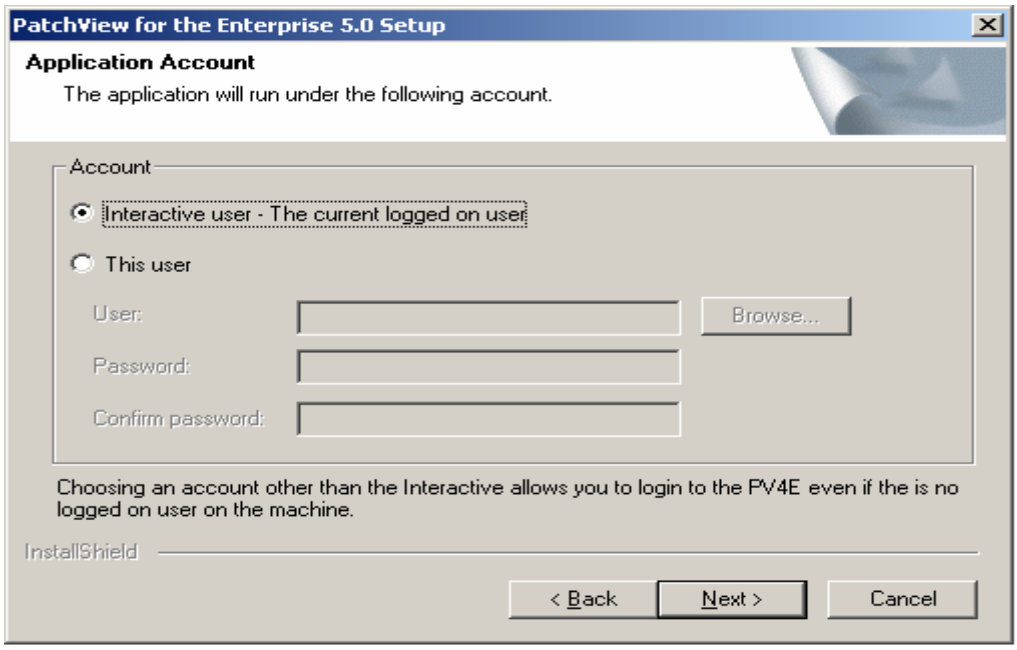

PatchView for the Enterprise 5.0 Setup
Application Account
The application will run under the following account.
Account
Interactive user - The current logged on user
This user
User:
Browse...
Password:
Confirm password:
Choosing an account other than the Interactive allows you to login to the PV4E even if the is no logged on user on the machine.
InstallShield
< Back
Next >
Cancel

Figure 15 – Application Account dialog – Interactive User

The following screen shows that *This user* has been selected.

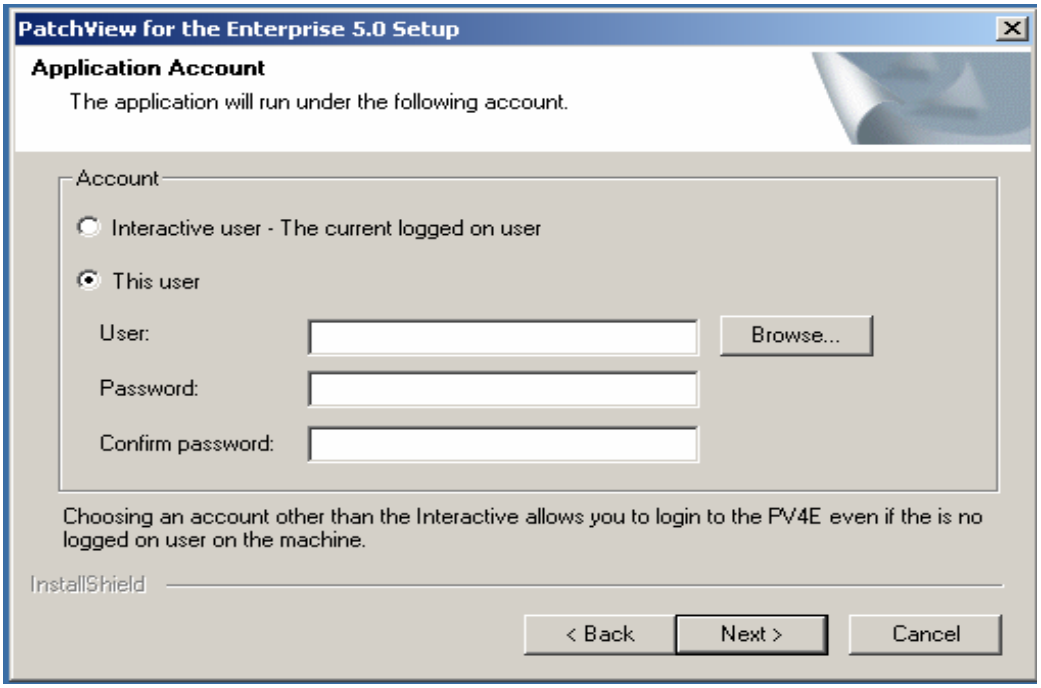

PatchView for the Enterprise 5.0 Setup
Application Account
The application will run under the following account.
Account
Interactive user - The current logged on user
This user
User:
Browse...
Password:
Confirm password:
Choosing an account other than the Interactive allows you to login to the PV4E even if the is no logged on user on the machine.
InstallShield
< Back
Next >
Cancel

Figure 16 – Application Account dialog – This user

14. Click **Next** to continue.

The *Setup Information* dialog box opens.

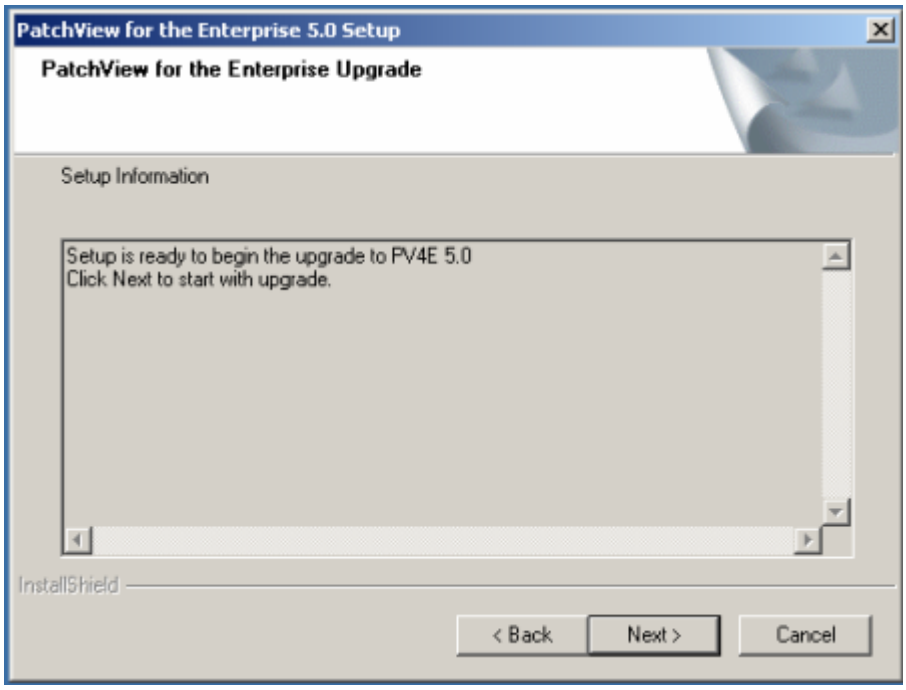
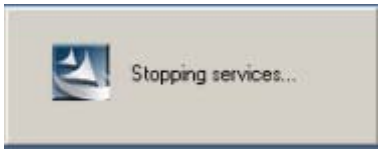
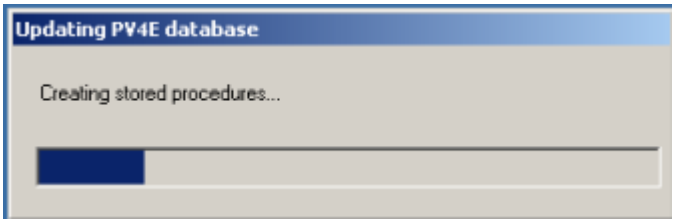

PatchView for the Enterprise 5.0 Setup
PatchView for the Enterprise Upgrade
Setup Information
Setup is ready to begin the upgrade to PV4E 5.0
Click Next to start with upgrade.
InstallShield
< Back
Next >
Cancel

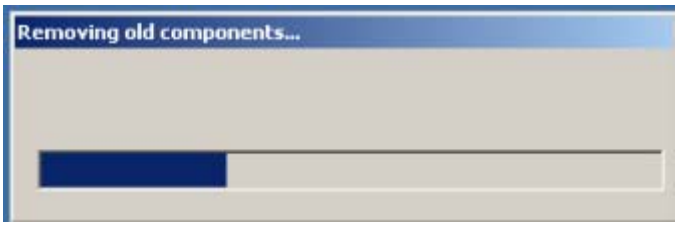
Figure 17 - PV4E Upgrade dialog box

8. Click **Next** to continue.

   Several setup bars appear in succession, see the following:.







9. Once completed, and immediately after, the following *Setup Status* dialog box opens.

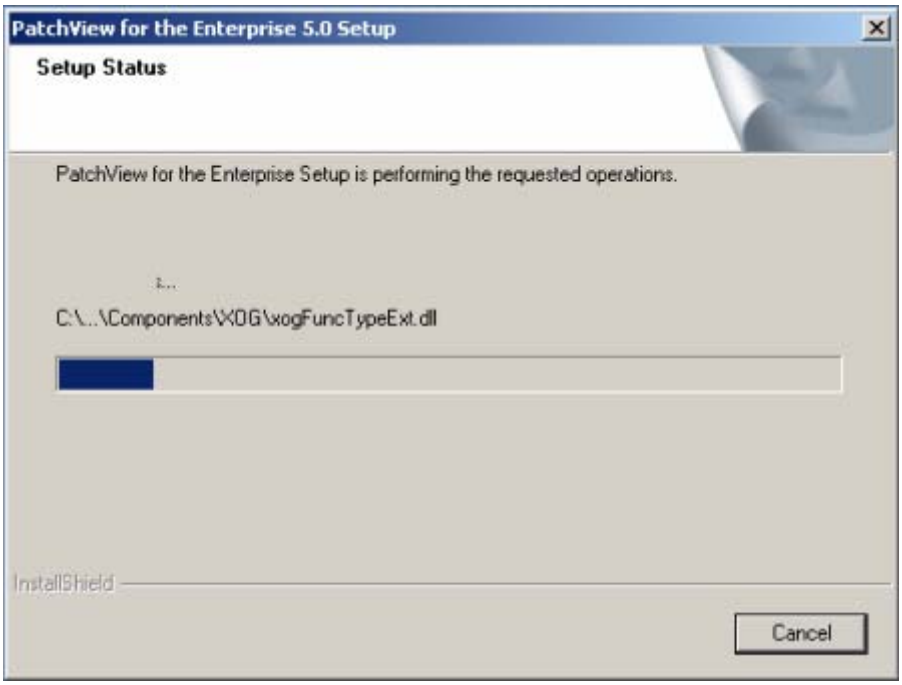


Figure 18 - *Setup Status dialog box*

10. The *Registering components* progress window appears.

Figure 19 - *Registering components dialog box*

11. Once completed, and immediately after, a *Registering MTS components* progress window appears.

12. When completed the *InstallShield Wizard* opens. Click **Yes, I want to restart my computer now**. This step is recommended. Click **Finish.**

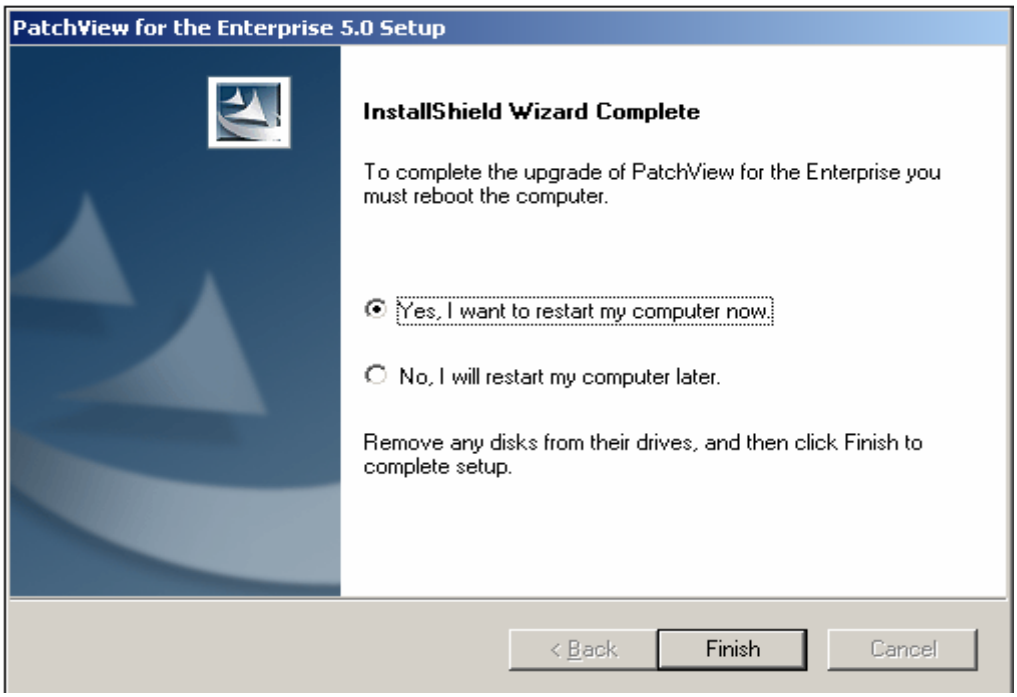
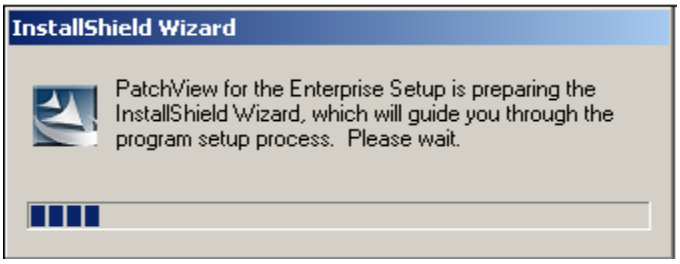

PatchView for the Enterprise 5.0 Setup
InstallShield Wizard Complete
To complete the upgrade of PatchView for the Enterprise you must reboot the computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

Figure 20 - *InstallShield Wizard dialog box*

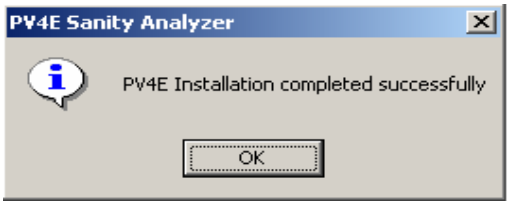
13. After you have restarted your computer, the following dialog box appears:


InstallShield Wizard
PatchView for the Enterprise Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.

The following PV4E Sanity Analyzer dialog box appears. This checks that the service is up and the PV4E installation completed successfully.

Figure 21 - *PV4E Sanity Analyzer dialog box*

The following PV4E Sanity Analyzer dialog box appears. This checks that the service is up and the PV4E installation completed successfully. Finally the following *PV4E Installation completed successfully* dialog box appears:



Additional Software

Online help files are supplied together with the PV4E application.

You can also refer to the lastest Service Pack released by RiT Technologies Ltd.

Installation Verification

Sanity Analyzer

To activate the sanity analyzer run the following file:

C:\Program Files\RiT Technologies\PatchView for the Enterprise\Server\Tools\PV4ESanityAnalyzer.exe

Once activated, the sanity analyzer performs several tests. On completion, you are prompted to view the report results. Select **Yes** to continue.

Verify that all is OK. If you encounter any problems that you cannot solve, please contact RiT customer support.

When you have completed the sanity analyzer report, please email the sanity analyzer report to RiT customer suport.

The PV4E Sanity Analyzer is used to validate the PV4E installation by performing simple checks.

Level	Check	Category
Warning	Checks that the Regional Settings are correct	Regional Settings
Error	Checks that the PV4E registry is valid	Registry
Error	Checks that the database exists	Database
Error	Checks that the MSMQs are created	MSMQ
Error	Checks that all COM+ components are installed	COM+
Error	Checks if the ASP is allowed on the machine	IIS ASP Web Extension
Warning	Checks if the ASP.NET is allowed on the machine	IIS ASP.NET Web Extension
Warning	Checks if the machine can run ASP.NET	ASP.NET
Error	Checks the binaries were copied	CRC

Level	Check	Category
	correctly	
Error	Checks that all PV4E's processes are running	Processes
Error	Validates the license file	License

Troubleshooting

Symptoms

When you try to login you receive an error message that *the page cannot be displayed*, with the following technical information:

Error Type:

Active Server Pages, ASP 0115 (0x80004005)

A trappable error (E06D7363) occurred in an external object. The script cannot continue running.

/pv4e/main/pv4e.asp

Page:

GET /pv4e/main/pv4e.asp

Cause

The COM+ (MTS) components of PV4E run, by default, in the context of the interactive user. The interactive user is the user which is currently logged on to Windows directly. A user that is logged on through Terminal Services is not an interactive user. A user that uses NetMeeting, PCAnywhere, etc. is an interactive user. If Windows is in a state of log off then there is no interactive user and the PV4E will fail to work from a remote Internet Explorer.

Solution

The following workaround can be applied by any user:

1. On the PV4E Server machine, Open the *Control Panel*
2. Open the *Administrative Tools*
3. Open *Component Services*
4. Go to *Computers\My Computer\COM+ Applications\PV4E*
5. Right click and select **Properties**
6. Go to the *Identity* tab
7. Select **This user**
8. Fill in a username and password of a valid Windows' user that has administrator privileges.
9. Apply the same to Computers\My Computer\COM+ Applications\PV4E.Server if it exists

Symptoms

The installation of PV4E runs smoothly, but when you try to login into the PV4E application an *Invalid Password* message is received.

Another symptom, which happens only if part of this solution is applied, is that you login and view items, but cannot add/edit them. Each time you try to add/edit an item the PV4E generates a message box that the system is busy.

Cause

The windows built-in anonymous user is not allowed to access the cmsserv.exe. And/or the BL user is not allowed to access the cmsserv.exe.

Workaround

The workaround can be applied by any user and applies to Windows XP professional edition only. Windows XP home edition is not supported.

Do the following steps on the PV4E Server machine after the PV4E installation. (The instructions applies to Windows 2003 Server with SP1 and to Windows XP with SP2)

1. Open the *Control Panel*
2. Open the *Administrative Tools*
3. Open *Component Services*
4. Go to Computers*My Computer**DCOM Config**CmsServ*
5. Right click **Properties**
6. Go to the *Security tab*
7. On the Launch and Activation Permissions click **Edit**...
8. Click **Add**...
9. Click **Advanced**...
10. Click **Locations**...
11. Select the local computer name (not a domain name) and click **OK**
12. Click **Find Now**
13. After the search completes select the user whosename begins with IUSR_ and ends with the machine name.

    For example if the machine name is MyMachine then the user name is **IUSR_MYMACHINE**
14. Click **OK**
15. Click **OK**
16. A new entry will appear in the Group or user names list: Internet Guest Account. Select.

17. In the Permission list below check all of the actions to enable the user local and remote launch and activation.
18. Repeat on steps 8 to 12
19. Find **your user name** and select
20. Repeat steps 14 to 18 for your user name
21. Click **OK**
22. Click **OK**
23. Repeat steps 8 to 12
24. Find the **Network Service** and select
25. Repeat steps 14 to 18 on Network Service account
26. Click **OK**
27. Click **OK**
28. There is no need to restart the machine

Running PV4E

When PV4E has been successfully installed you can log into the application via your browser.

PV4E Settings

To login / open PV4E

1. Open the Internet Browser and type the path into the Address window.
   If you are working on the computer where PV4E server is installed, type: http://local computer name/pv4e If you are working from a client, type: http://host name/pv4e.
2. Press **Enter**, the PV4E login window opens.

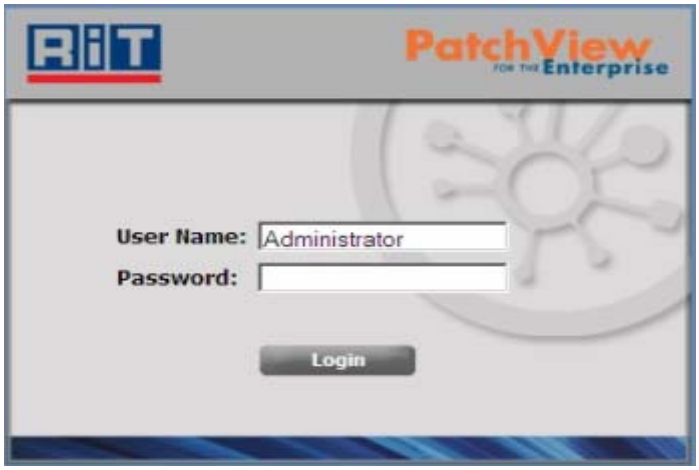


Figure 22 - *PV4E Login window*

3. Type in your User Name and Password.
   The default settings are below and are case-sensitive. We strongly recommend that you change these settings as soon as possible:
   - User Name = Administrator
   - Password = [blank]

4. Click **Login**.

   When launching PV4E for the first time, a RiT Security Warning message appears.

Security Warning
Do you want to install and run "http://localhost/pv4e/main/cab/editlink.cab" signed on 21/10/2003 10:30 and distributed by:
RiT Technologies Ltd.
Publisher authenticity verified by VeriSign Class 3 Code Signing 2001 CA
Caution: RiT Technologies Ltd. asserts that this content is safe. You should only install/view this content if you trust RiT Technologies Ltd. to make that assertion.
Always trust content from RiT Technologies Ltd.
Yes
No
More Info

Figure 23 - RiT Security Warning message

5. Click **Yes** to continue.
   PatchView for the Enterprise opens.

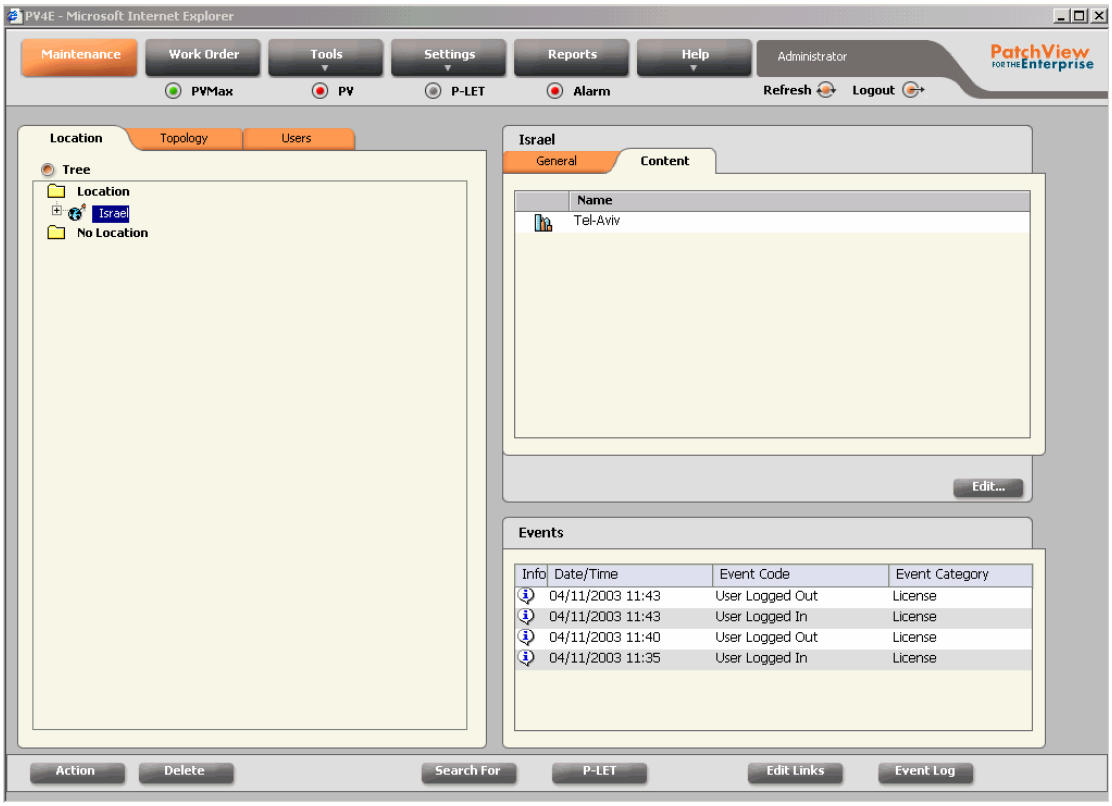


Figure 24 - PV4E Opening Screen

The default is set to open in the *Maintenance* window as it is here that most of the activity in PV4E occurs. When this window opens for the first time after installation, there is no information pane, as this only appears after an item is added or defined within the database.

Configuring for Remote SQL Server

You need to make configuration changes if the PV4E and SQL servers are located on separate machines. The instructions in this section relate specifically to Windows Server 2003. The instructions may vary for other Windows versions.

The instructions depend on whether an Active Directory is available in the network.

- Both the PV4E and SQL servers require registration for working as part of the Active Directory configured on the network. Refer to your IT Manager for details on the Active Directory. See *Remote Connection using Active Directory* for details.
- If no Active Directory is available, see *Remote Connection when Active Directory is Unavailable.*

Note:

You are highly recommended to perform the respective tasks in close coordination with the IT Manager.

Remote Connection using Active Directory

The instructions are the same for the two machines that contain the PV4E application and the SQL Server. This section assumes that there is an active directory available on the network.

To set up the remote connection when the active directory is available

1. From the Windows Start menu, select Administrative Tools > Component Services.
   The Component Services window appears.

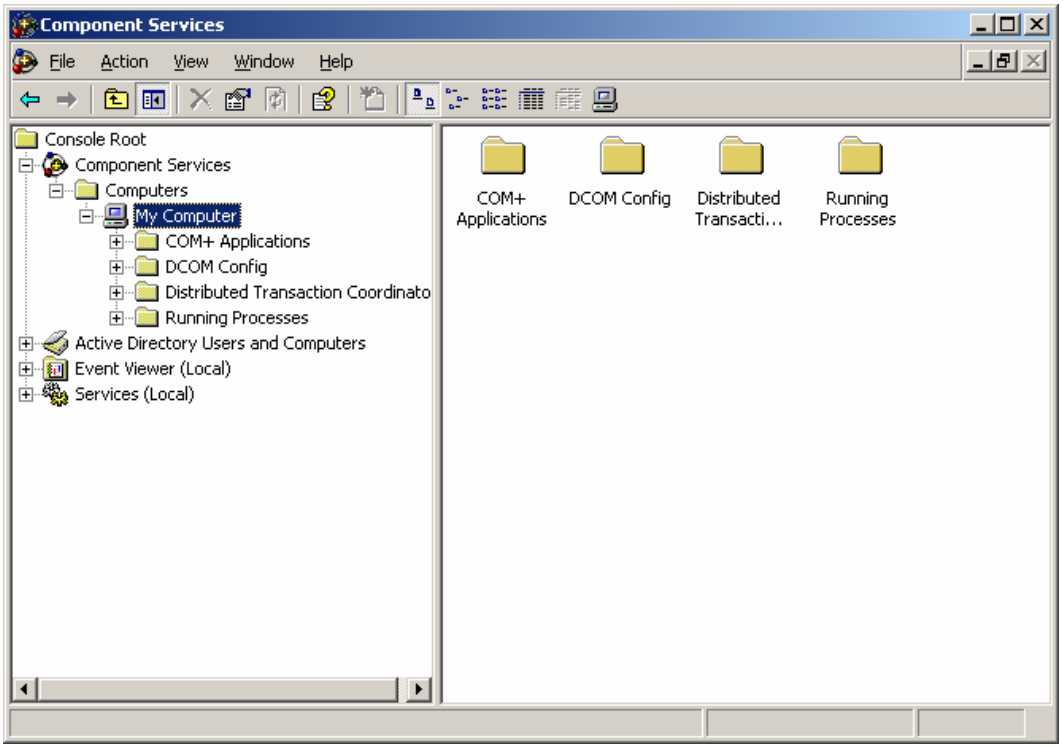


Figure 25 - Component Services Window

2. Right-click on My Computer and select Properties.
   The My Computer Properties dialog appears.

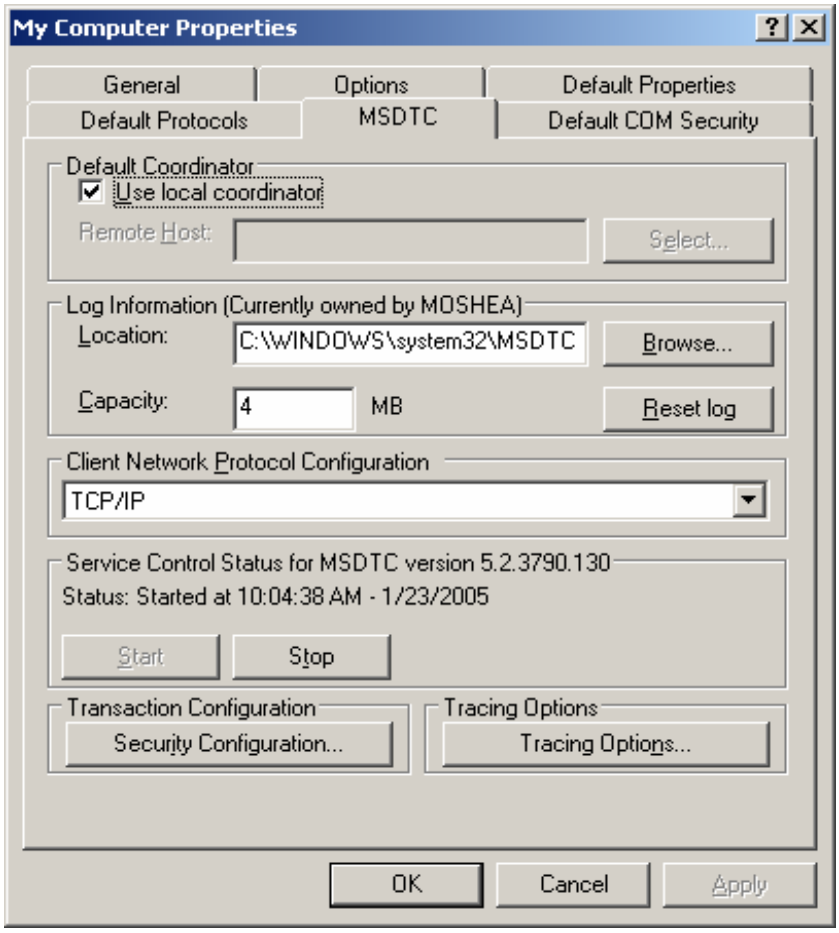


Figure 26 - My Computer Properties Dialog

3. Click **MSDTC** tab.
4. Click **Security Configuration**.

The Security Configuration dialog appears.

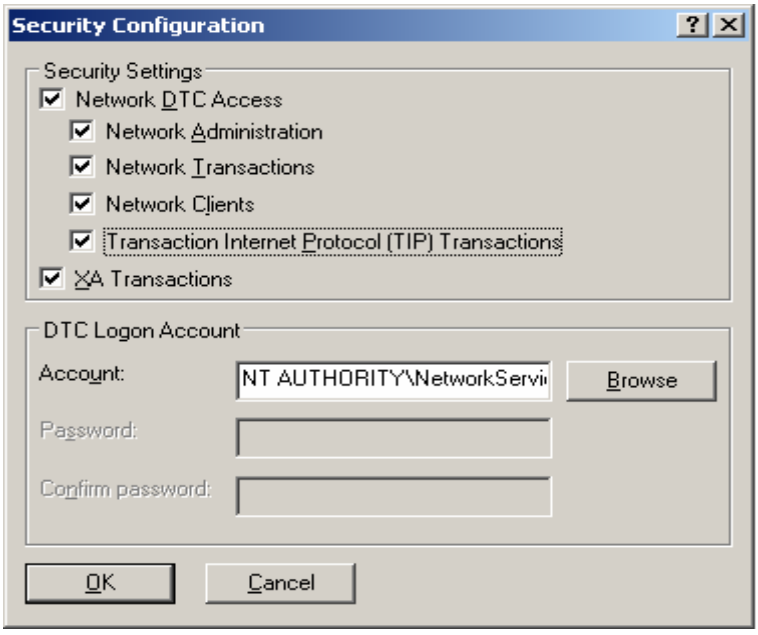


Figure 27 - My Computer Properties Dialog

5. Check all the options in the Security Settings area.
6. Click **OK** in both dialogs and close the *Component Services* window.

Remote Connection when Active Directory is Unavailable

If an Active Directory is not available in the network, perform the following configuration change only on the machine containing the SQL Server.

Note:

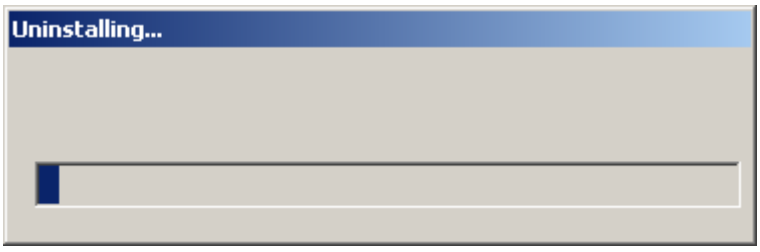
You are highly recommended to perform this in close coordination with the IT Manager.

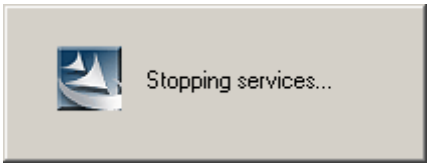
To enable remote connection to the SQL Server when Active Directory is Unavailable

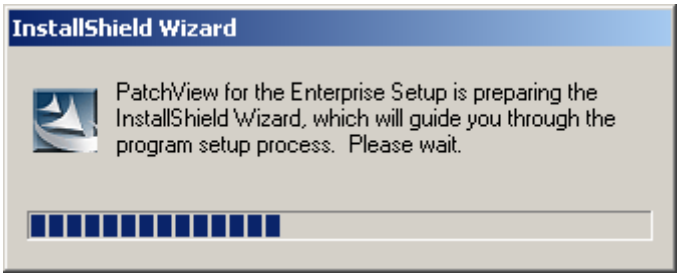
1. Open the *Registry Editor.*
2. Disable the security for MSDTC by adding a DWORD registry value. This value is called TurnOffRpcSecurity at HKEY_LOCAL_MACHINE\SOFTWARE\Microsoft\MSDTC
3. Set the value of TurnOffRpcSecurity = 1.
4. Restart the MSDTC service restart for the change to take effect.

Uninstalling PV4E

1. From the *Start* menu, select > **Settings** > **Control Panel**.
2. Select **Add/Remove Programs**.
3. Locate PV4E from the list of programs and click **Remove**. The following Uninstall sequence is activated:






InstallShield Wizard
PatchView for the Enterprise Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.

After the above *InstallShield Wizard*, closes, the following *InstallShield Wizard* Complete box opens: Click **Finish** to uninstall PV4E.

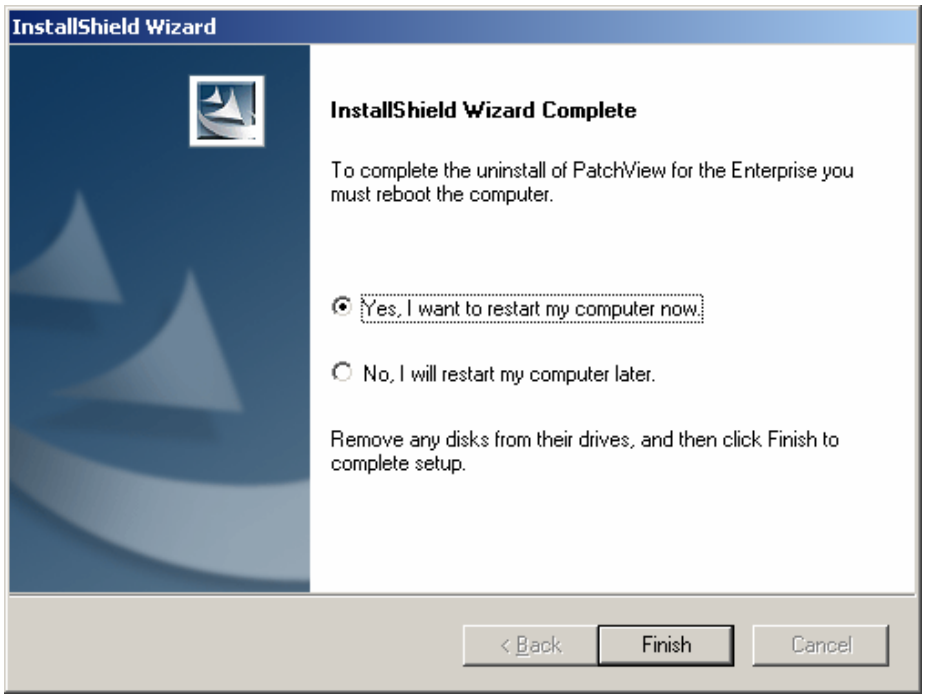

InstallShield Wizard
InstallShield Wizard Complete
To complete the uninstall of PatchView for the Enterprise you must reboot the computer.
Yes, I want to restart my computer now.
No, I will restart my computer later.
Remove any disks from their drives, and then click Finish to complete setup.
< Back
Finish
Cancel

Figure 28 –InstallShield Wizard Complete dialog box

Chapter 3 – Extended Driver Pack

System Requirements

PV4E software must be installed on the computer that serves as a dedicated server (Deployment Server).

Depending on the function of the workstation, there are different hardware and software requirements, as well as different installation procedures.

Minimum Requirements

The minimal software requirements have been modified to allow running the PV4E on a Windows 2003 server or Windows 2000 server.

Following are the minimum Hardware and Software requirements for the PV4E Server and Client Stations.

Included in this section are the requirements for:

- Deployment Server Requirements
- Client Requirements
- Master, Expander, Master Expander, Scanner, and Patch Panel Requirements

Deployment Server Requirements

The requirements for the deployment server are:

Group	Component	Minimum Requirement
Hardware	Pentium IV	Running at 2.4GHz or greater (for large installations, the computer configuration should be determined separately
	RAM	2GB recommended
	Hard Disk space	2 GB
Software	Operating System	Windows 2003 Server with SP1, Windows 2000 Server with SP4
	Microsoft Internet Explorer	6.0 SP 1 IE 7
	DB	MS SQL 2000 Standard/Enterprise + SP4 or MS SQL 2005 with SP1
	IIS 5 or 6	Prerequisites: FTP Server, SMTP Services
	MSMQ	Version 2.0 or 3.0 or higher

Installing Extended Driver Pack

This section is relevent only if you have purchased the extended Driver Pack.

Note:

Before Installation stop the PV4E server.

The Extended Switch DriverPack provides expanded switch information support for switches.

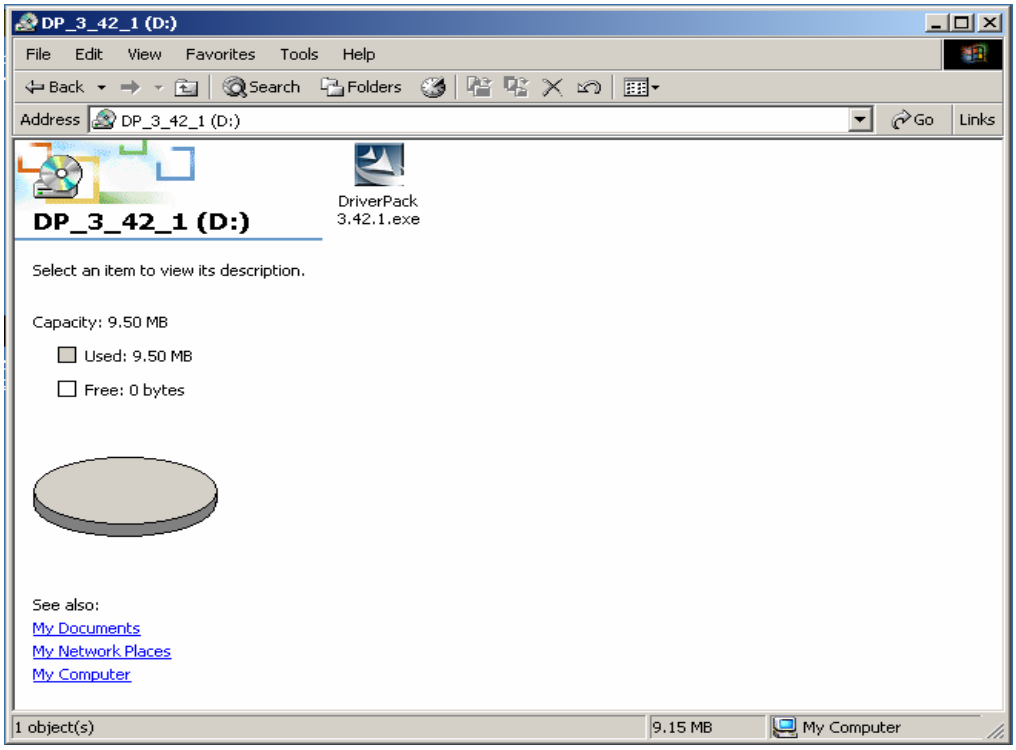
A list of supported switches can be found at our website:

http://www.rittech.com/content.asp?id=403&mode=1

This section describes how to install the Extended Switch DriverPack.

1. Go to: Insert the Extended Switch DriverPack Installation CD into the CD Rom disk drive.

2. Open the CD Rom drive on your computer.



3. Double click the DriverPack icon

4. The system prepares the InstallShield Wizard.

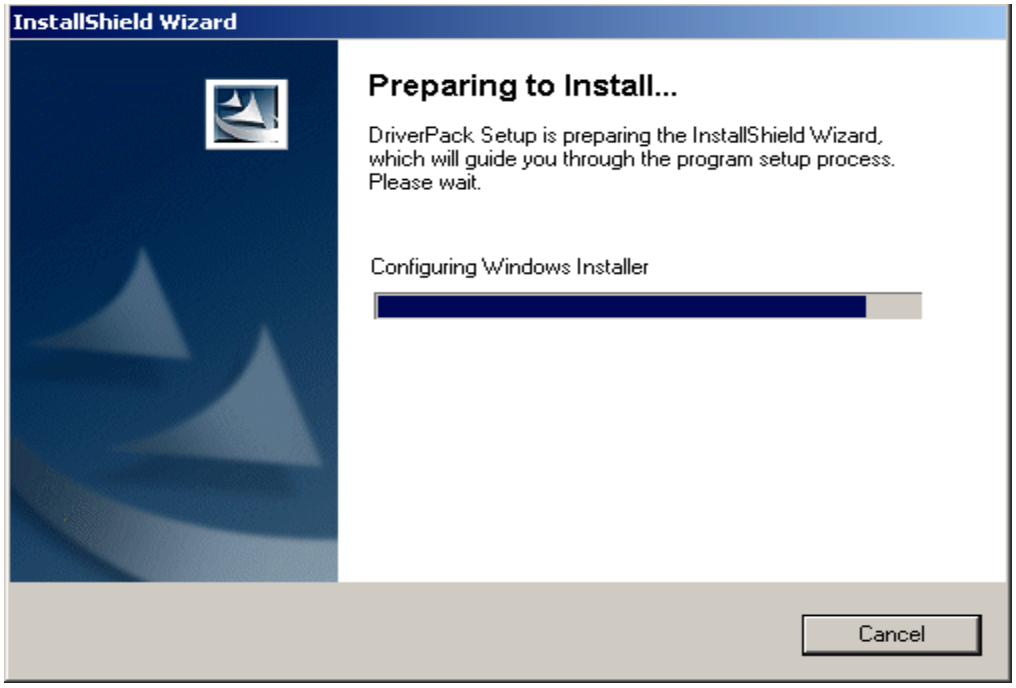

InstallShield Wizard
Preparing to Install...
DriverPack Setup is preparing the InstallShield Wizard, which will guide you through the program setup process. Please wait.
Configuring Windows Installer
Cancel

Figure 29 - Preparing the InstallShield Wizard

5. The InstallShield Wizard dialog box opens. Click **Next** to continue.

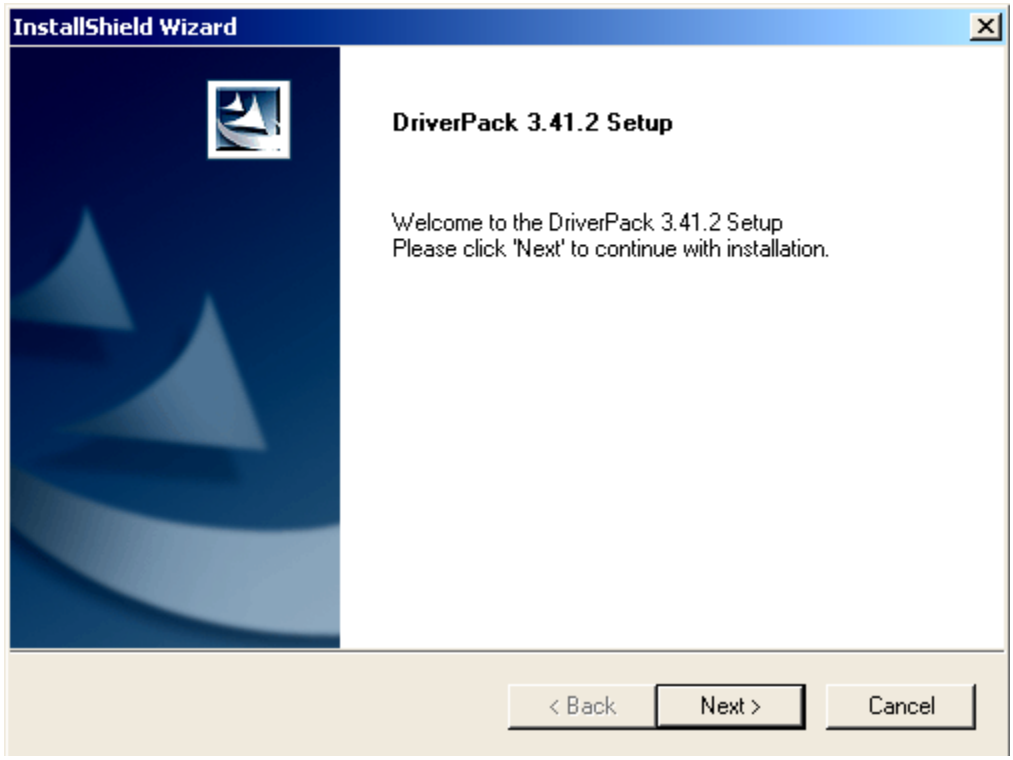


Figure 30 - InstallShield Wizard window

6. The Setup status dialog box opens. A series of indicator status screens show the current status of the installation.

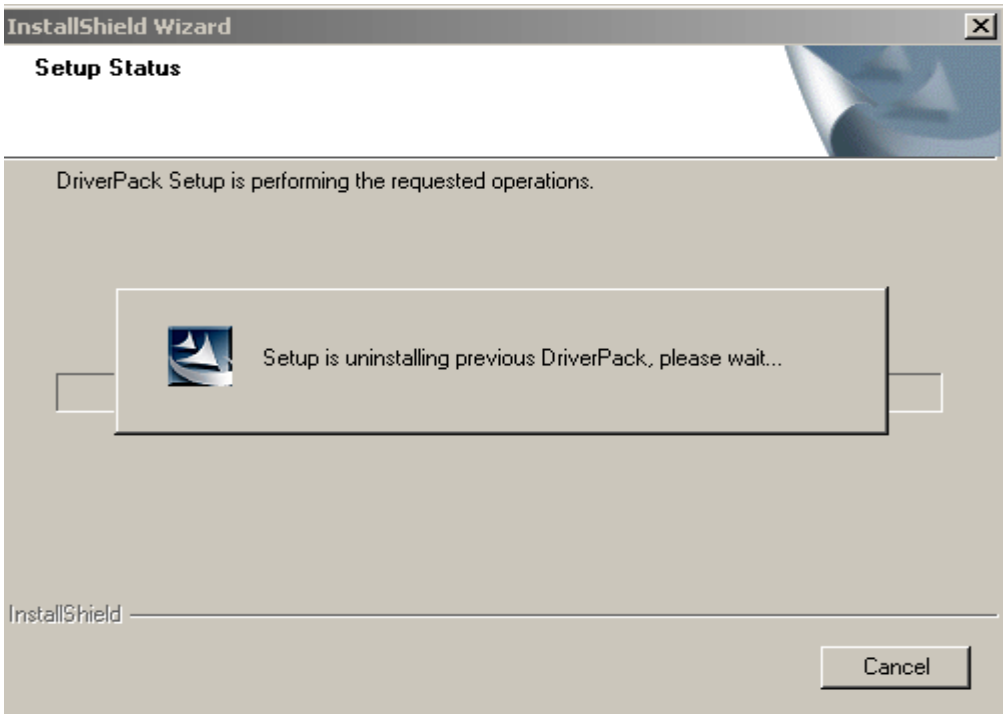


Figure 31 - Setup Status dialog

7. The InstallShield Wizard Complete dialog box opens. Click **Finish** to complete installation.

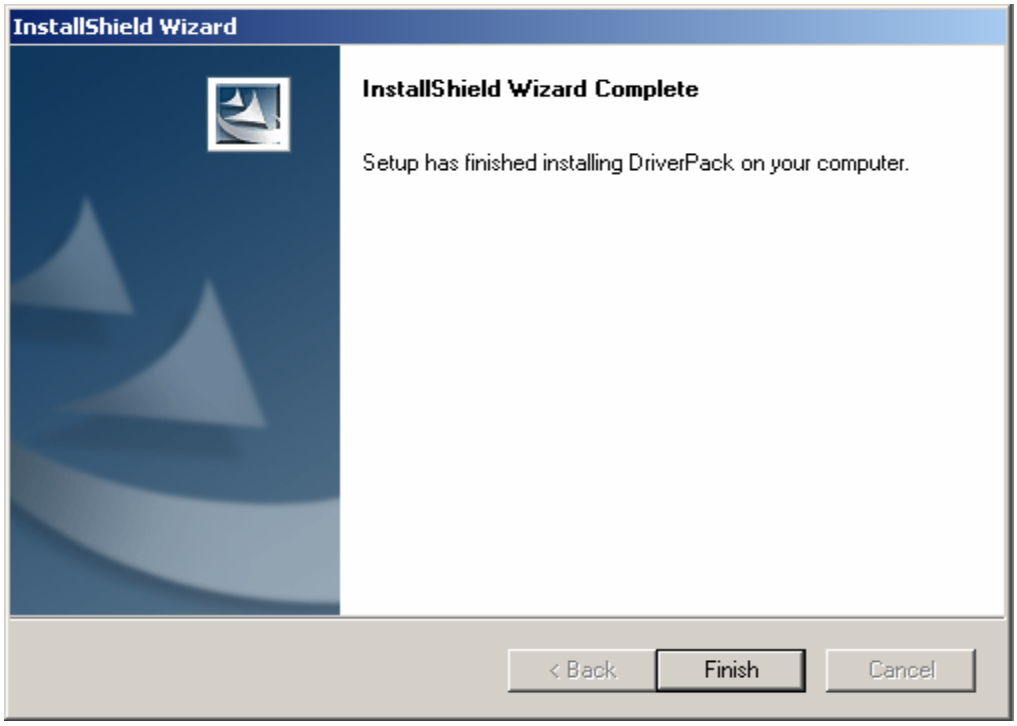


Figure 32 - PV4E InstallShield Wizard Complete dialog

Chapter 4 – CAD Module

This chapter includes the following sections:

- License Registration
- System Requirements
- MapGuide Server Version
- Installing the PV4E CAD Module
- MapGuide Configuration
- Activating the Active X Component

***Note**:*
For all procedures contained in this chapter, you must be logged into the PV4E Server with administrative privileges.

License Registration

Prior to installation of the *PV4E CAD Module*, please register your software copy and obtain a valid license key.

Please refer to the *License Registration* document that is included in this package.

System Requirements

Note:

The PV4E CAD application does not support SQL 2005 SP1 Express Edition.

The System Requirements for the installation of CAD are identical to the requirements for the installation of PV4E.

CAD must be installed on the PV4E Server.

MapGuide Server Version

The MapGuide Server versions that support this PV4E module are AutoCAD 2000, 2000i, and 2002.

Uninstalling Previous MapGuide Components

If you presently have MapGuide 6.0 or lower installed on your machine, you must follow the uninstall procedure before installing the new version. You need to uninstall the toolkit and the Server.

Uninstalling the MapGuide Toolkit

You need to uninstall a previous version of the *MapGuide Toolkit* before installing the latest version.

To uninstall a previous version of the MapGuide Toolkit

1. From the Windows Start menu, select **Control Panel** > **Add/Remove** Programs.

   The *Add/Remove Programs* window appears.

2. Click **Autodesk MapGuide(R) SDF Component Toolkit 6**. The title may be different for previous versions.

3. Click **Change/Modify**.

   The *Autodesk MapGuide(R) SDF Component Toolkit Release 6 Setup* – Welcome dialog appears.

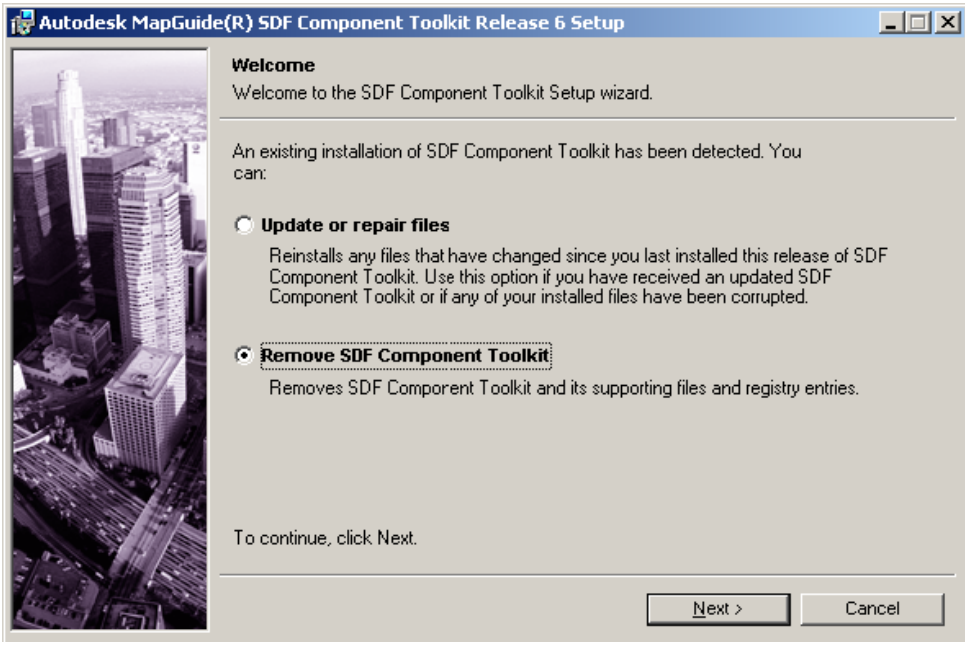

Autodesk MapGuide(R) SDF Component Toolkit Release 6 Setup
Welcome
Welcome to the SDF Component Toolkit Setup wizard.
An existing installation of SDF Component Toolkit has been detected. You can:
Update or repair files
Reinstalls any files that have changed since you last installed this release of SDF Component Toolkit. Use this option if you have received an updated SDF Component Toolkit or if any of your installed files have been corrupted.
Remove SDF Component Toolkit
Removes SDF Component Toolkit and its supporting files and registry entries.
To continue, click Next.
Next >
Cancel

Figure 33- Setup – Welcome Dialog Box

4. Select **Remove SDF Component Toolkit** and click **Next**.

   The *Confirm Removal* dialog appears.

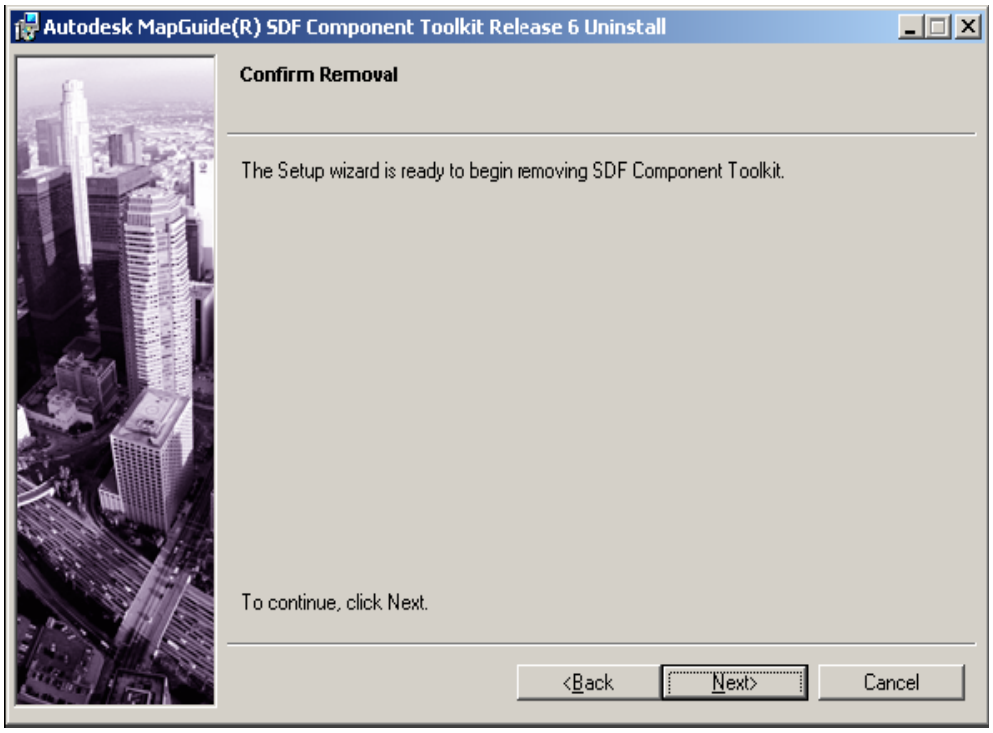

Autodesk MapGuide(R) SDF Component Toolkit Release 6 Uninstall
Confirm Removal
The Setup wizard is ready to begin removing SDF Component Toolkit.
To continue, click Next.
<Back
Next>
Cancel

Figure 34- Setup – Confirm Removal Dialog Box

5. Click **Next**.

   The *Removal Complete* dialog appears.

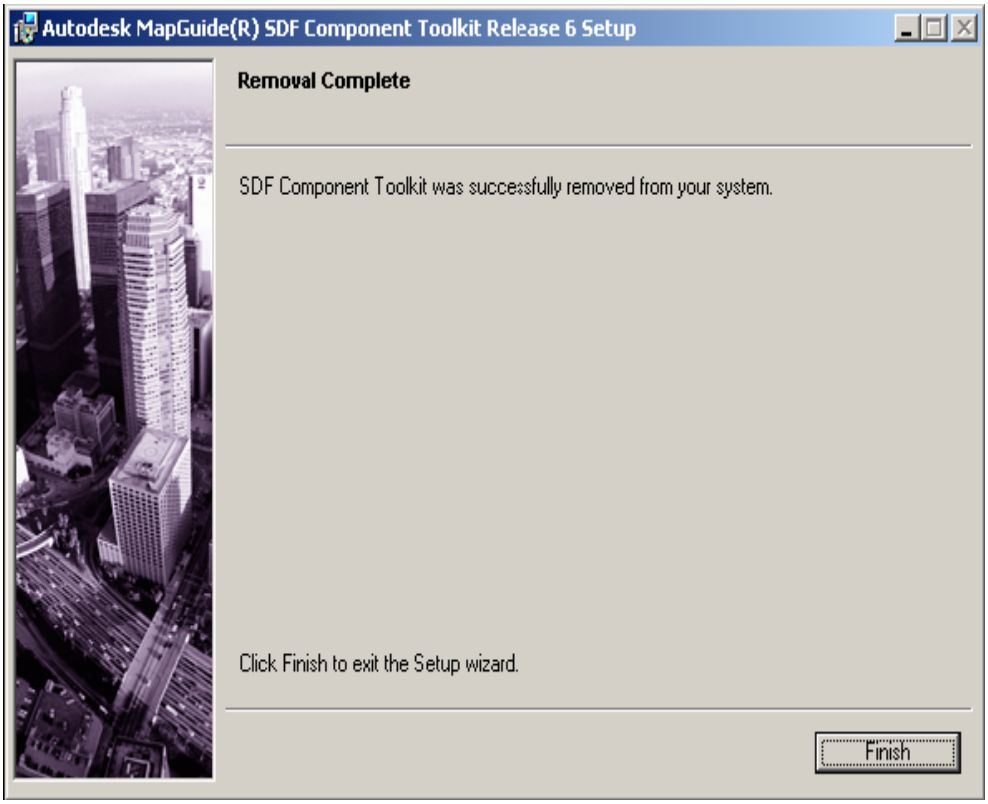

Autodesk MapGuide(R) SDF Component Toolkit Release 6 Setup
Removal Complete
SDF Component Toolkit was successfully removed from your system.
Click Finish to exit the Setup wizard.
Finish

Figure 35 - Setup – Removal Complete Dialog Box

6. Click **Finish**.

Uninstalling the MapGuide Server

You need to uninstall a previous version of the MapGuide Server before installing the latest version.

To uninstall a previous version of the MapGuide Server

1. From the Windows Start menu, select Control Panel > Add/Remove Programs.

   The *Add/Remove Programs* window appears.

2. Click **Autodesk MapGuide(R) Server Release 6**. The title may be different for previous versions.

3. Click **Change / Modify**.

   The *Autodesk MapGuide(R) Server Release 6 Setup* - Welcome dialog appears.

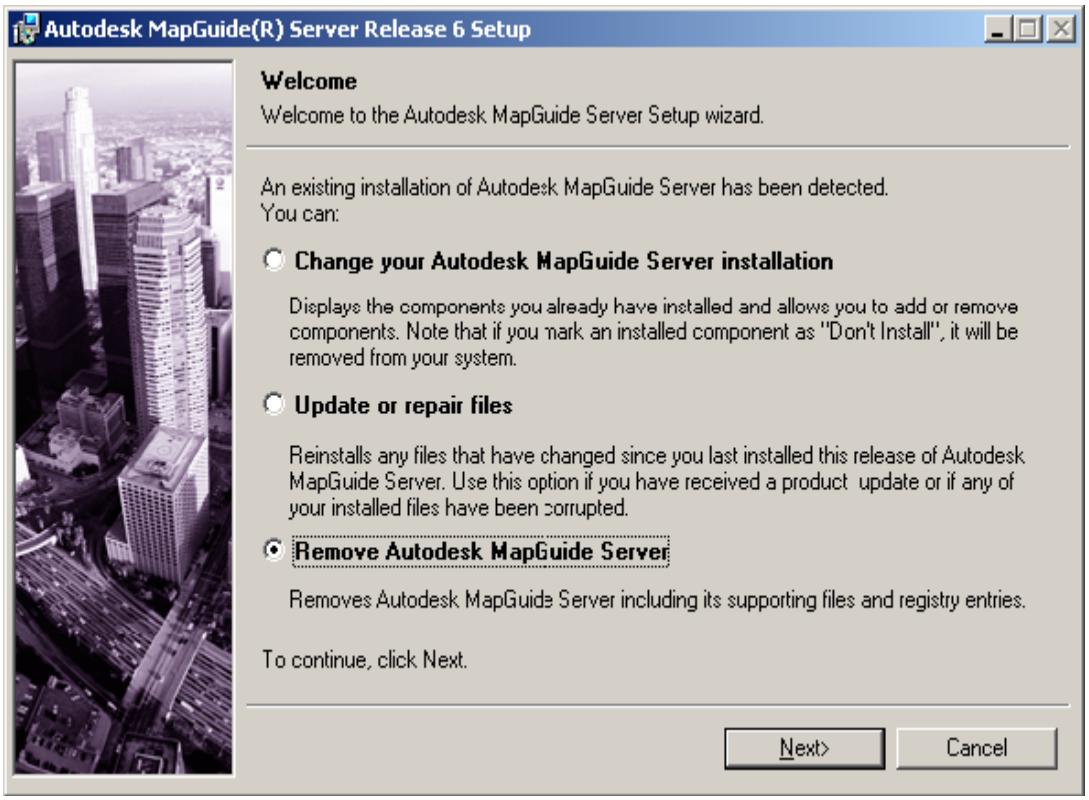

Autodesk MapGuide(R) Server Release 6 Setup
Welcome
Welcome to the Autodesk MapGuide Server Setup wizard.
An existing installation of Autodesk MapGuide Server has been detected.
You can:
Change your Autodesk MapGuide Server installation
Displays the components you already have installed and allows you to add or remove components. Note that if you mark an installed component as "Don't Install", it will be removed from your system.
Update or repair files
Reinstalls any files that have changed since you last installed this release of Autodesk MapGuide Server. Use this option if you have received a product update or if any of your installed files have been corrupted.
Remove Autodesk MapGuide Server
Removes Autodesk MapGuide Server including its supporting files and registry entries.
To continue, click Next.
Next>
Cancel

Figure 36- Autodesk MapGuide(R) Server Release Dialog Box

4. Select Remove Autodesk MapGuide Server and click **Next**.

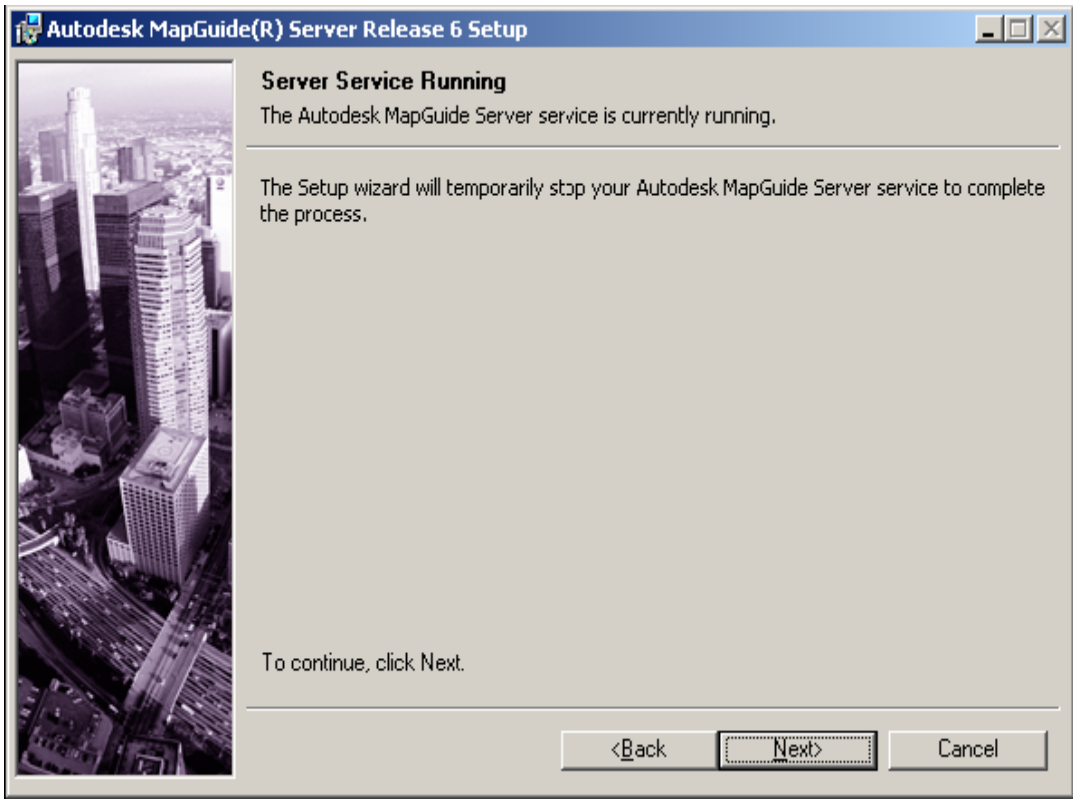

Autodesk MapGuide(R) Server Release 6 Setup
Server Service Running
The Autodesk MapGuide Server service is currently running.
The Setup wizard will temporarily stop your Autodesk MapGuide Server service to complete the process.
To continue, click Next.
<Back
Next>
Cancel

Figure 37- Remove Autodesk MapGuide Server Dialog Box

5. Click **Next**.

The *Confirm Removal* dialog appears.

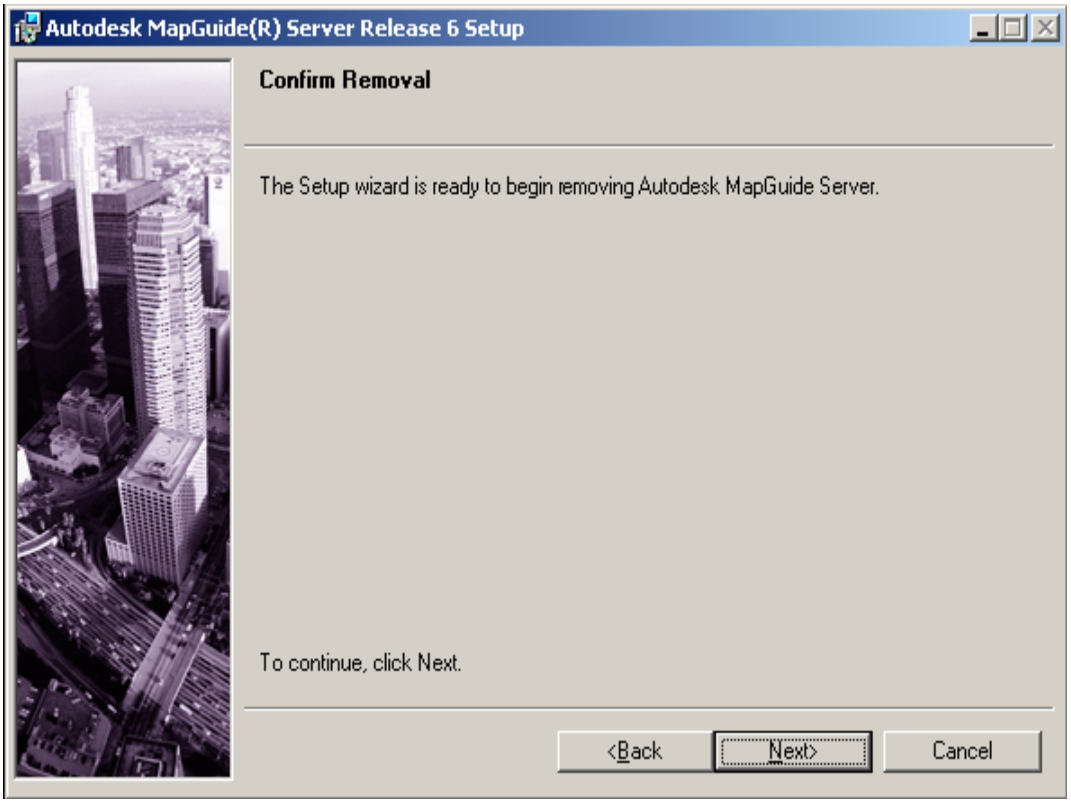

Autodesk MapGuide(R) Server Release 6 Setup
Confirm Removal
The Setup wizard is ready to begin removing Autodesk MapGuide Server.
To continue, click Next.
<Back
Next>
Cancel

Figure 38- Confirm Removal Dialog Box

6. Click **Next**.

The *Removal Complete* dialog appears.

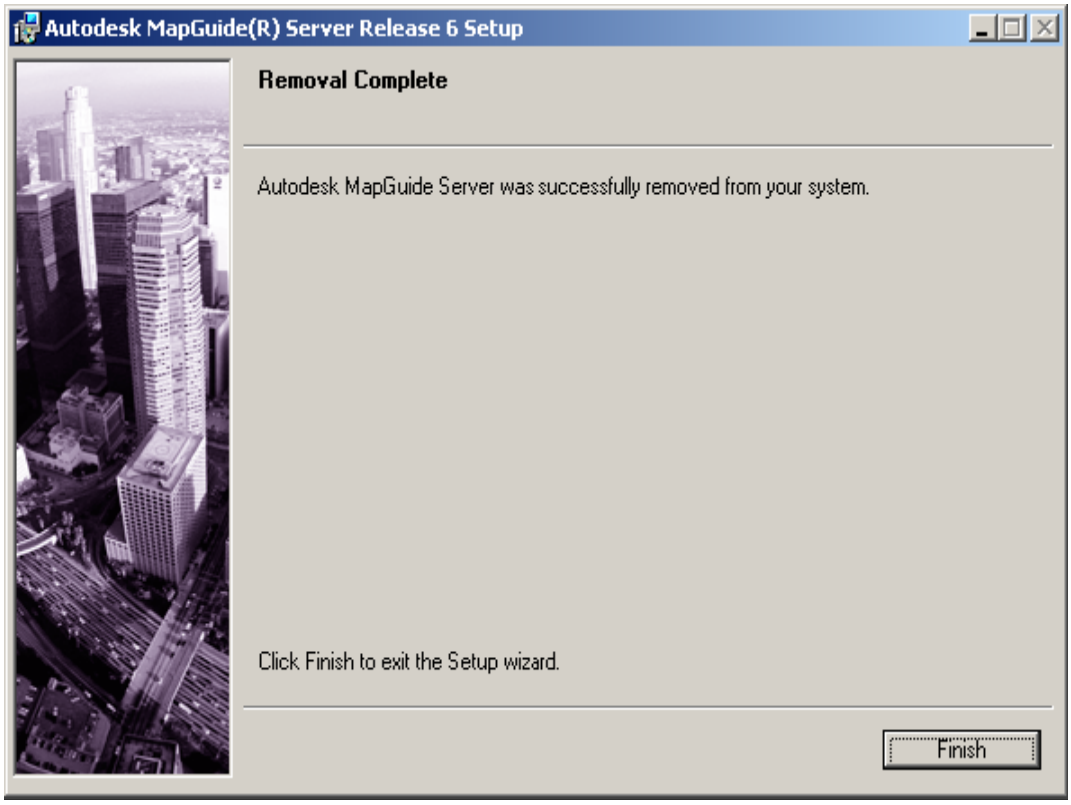
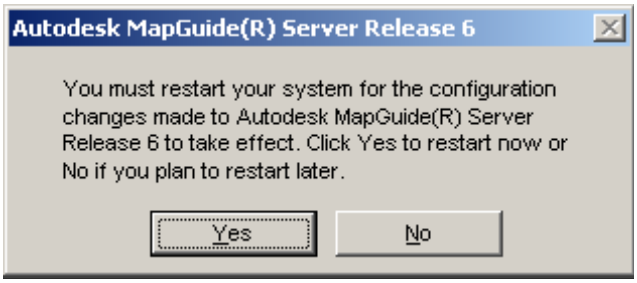

Autodesk MapGuide(R) Server Release 6 Setup
Removal Complete
Autodesk MapGuide Server was successfully removed from your system.
Click Finish to exit the Setup wizard.
Finish

Figure 39- Removal Complete Dialog Box

7. Click **Finish**.

A message appears informing that you should restart your machine.


Autodesk MapGuide(R) Server Release 6
You must restart your system for the configuration changes made to Autodesk MapGuide(R) Server Release 6 to take effect. Click Yes to restart now or No if you plan to restart later.
Yes
No

8. Click **Yes**.

The machine restarts.

Uninstalling a Previous Version of PV4E CAD Module

You need to uninstall the previous version of the PV4E CAD Module before installing the latest version.

To uninstall a previous version of the MapGuide Server

1. From the Windows **Start** menu, select **Control Panel** > **Add/Remove Programs**.

The *Add/Remove Programs* window appears.

2. Click **PV4E CAD Integration Module**.
3. Click **Change/Modify**.

   A dialog box appears and prompts you to proceed with the installation procedure.

4. Click **Yes**.

   The uninstall process begins.

   The *PatchView for the Enterprise - CAD Module Setup* dialog appears requesting that you restart the computer.

5. Click the **Yes** option and click **Finish**.

Installing the MapGuide Components

You must install the MapGuide Components - Server and SDF Components Toolkit before installing the PV4E CAD Module.

Installing the MapGuide Server

There are two procedures when installing the MapGuide Server:

- Install MDAC 2.8 if it is not already installed. These are the Microsoft Data Access Components
- Install the MapGuide Server
- Install the SDF Toolkit

To install MDAC 2.8

1. Insert the Autodesk MapGuide CD into your CD-ROM drive. The Installation Utility screen appears. You can ignore this window for now.
2. Using *File Explorer*, go to the root directory on the CD.
3. Open the **MDAC 2.8 directory.**
4. Double click **MDAC_TYP.exe**.

   The *installation wizard* opens.

5. Continue with wizard until the Microsoft Data Access Components 2.8 Setup – End User License Agreement dialog appears.

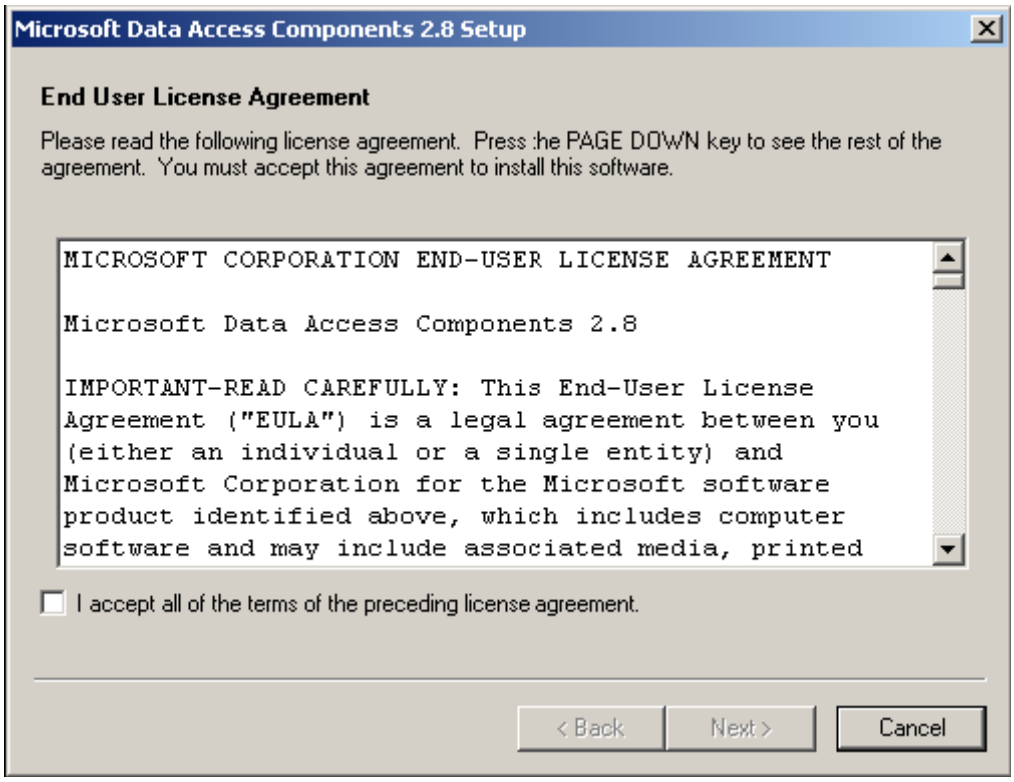

Microsoft Data Access Components 2.8 Setup
End User License Agreement
Please read the following license agreement. Press :he PAGE DOWN key to see the rest of the agreement. You must accept this agreement to install this software.
MICROSOFT CORPORATION END-USER LICENSE AGREEMENT
Microsoft Data Access Components 2.8
IMPORTANT-READ CAREFULLY: This End-User License Agreement ("EULA") is a legal agreement between you (either an individual or a single entity) and Microsoft Corporation for the Microsoft software product identified above, which includes computer software and may include associated media, printed
I accept all of the terms of the preceding license agreement.
< Back
Next >
Cancel

Figure 40- End User License Agreement Dialog Box

6. Select the **I Accept** checkbox and click **Next**.
7. Continue with the wizard while it checks for disk space until the Microsoft *Data Access Components 2.8 Setup - Installing the Software* dialog appears.

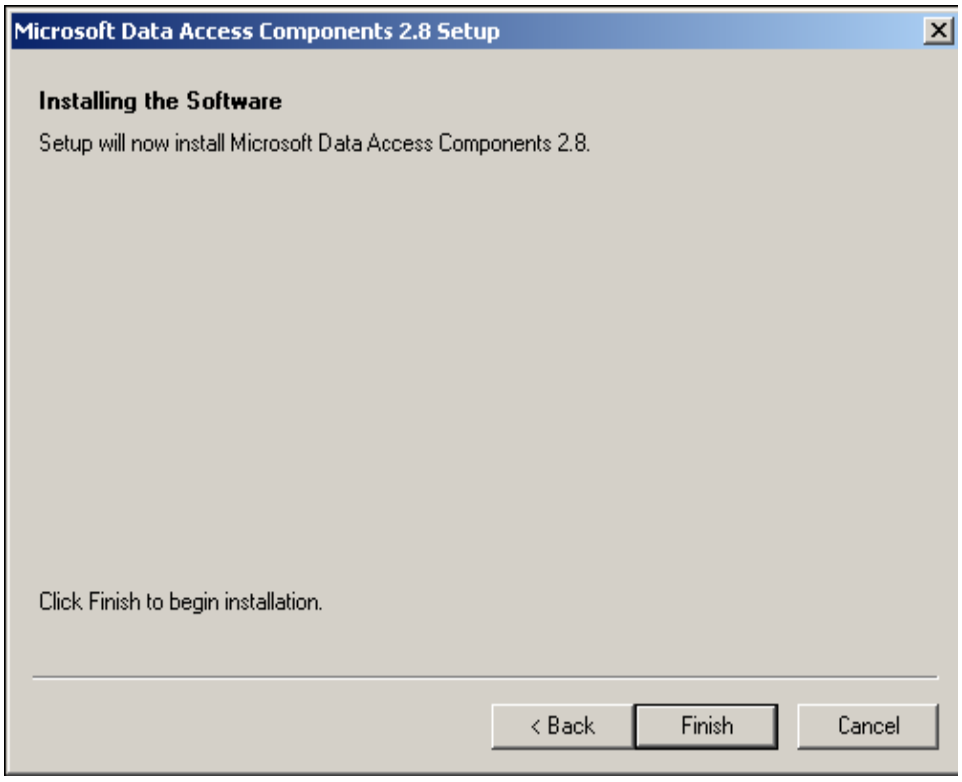


Figure 41- Installing the Software Dialog Box

8. Click **Finish**.

   The installation starts.

   On completion of the installation process, the M*icrosoft Data Access Components 2.8 Setup* - Restarting the System dialog appears.

9. Ensure **Let setup restart the system now** is selected.

10. Click **Finish**.

    The system reboots.

To install the MapGuide Server

1. Insert the *Autodesk MapGuide* CD into your CD-ROM drive (if you did not do so for the previous section).

   The *Installation Utility* screen appears.

Figure 42- Installation Utility Dialog Box

2. Click **Autodesk MapGuide Server**.

   The *Autodesk MapGuide(R) Server Release 6.5 Setup* - Welcome dialog appears.

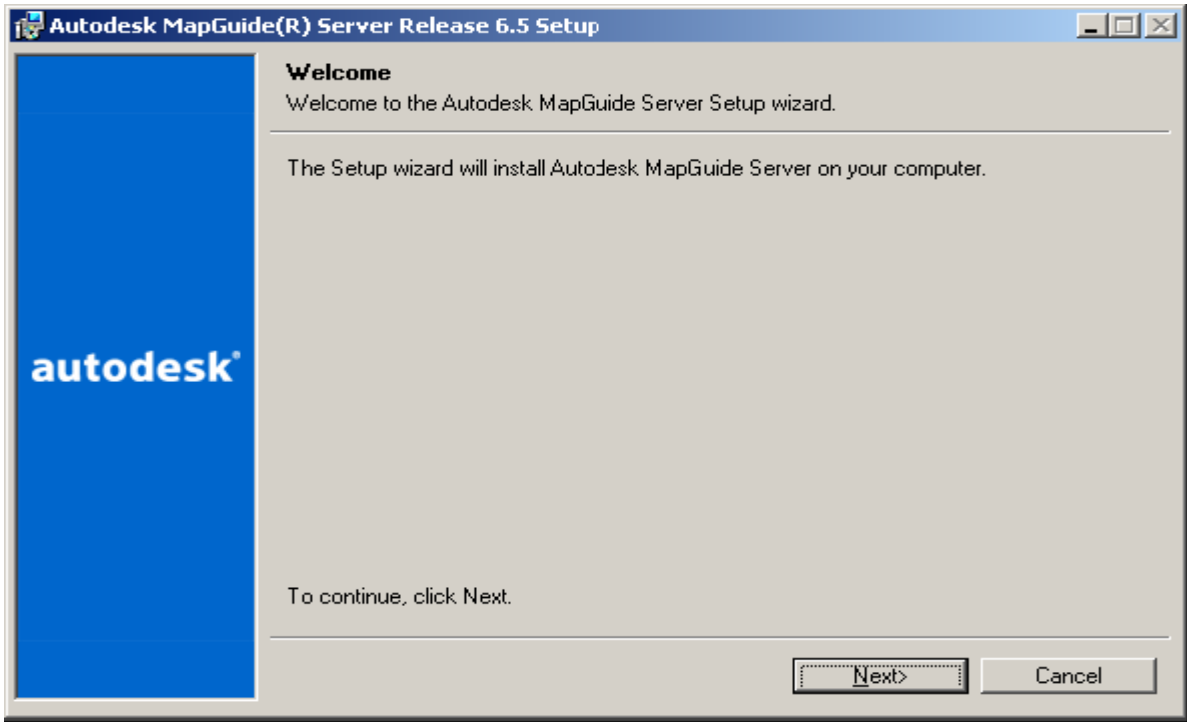

Autodesk MapGuide(R) Server Release 6.5 Setup
autodesk
Welcome
Welcome to the Autodesk MapGuide Server Setup wizard.
The Setup wizard will install Autodesk MapGuide Server on your computer.
To continue, click Next.
Next>
Cancel

Figure 43- Autodesk MapGuide(R) Server Release Setup Dialog Box

3. Click **Next**.

   The *End User License Agreement* dialog appears.

4. Select *I Accept checkbox* and click **Next**.

   The *Register Autodesk MapGuide Server* dialog appears.

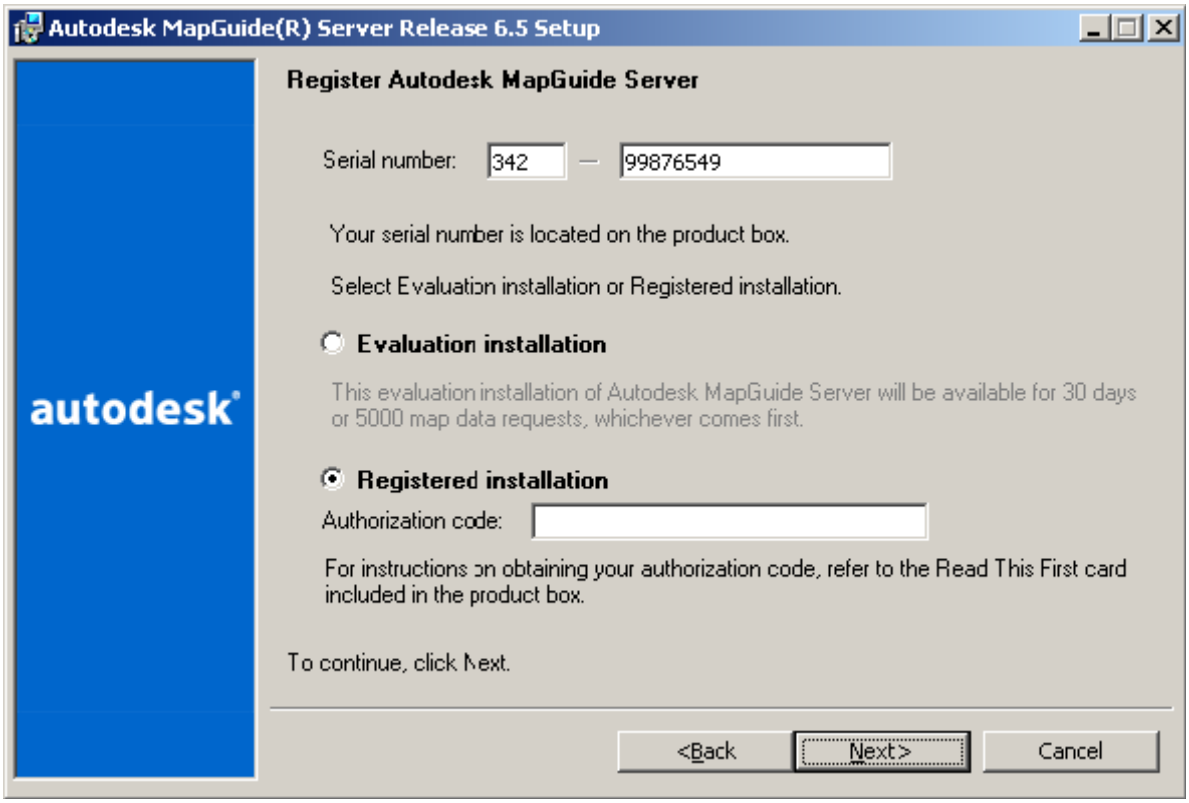

Autodesk MapGuide(R) Server Release 6.5 Setup
autodesk
Register Autodesk MapGuide Server
Serial number:
342
99876549
Your serial number is located on the product box.
Select Evaluation installation or Registered installation.
Evaluation installation
This evaluation installation of Autodesk MapGuide Server will be available for 30 days or 5000 map data requests, whichever comes first.
Registered installation
Authorization code:
For instructions on obtaining your authorization code, refer to the Read This First card included in the product box.
To continue, click Next.
<Back
Next>
Cancel

Figure 44- Register Autodesk MapGuide(R) Dialog Box

5. In the dialog box:

   Enter the **serial number**.

   Ensure the *Registered Installation* option is selected.

   Enter the *Authorization Code*.

6. Click **Next**.

   The *Select Installation* Type dialog appears.

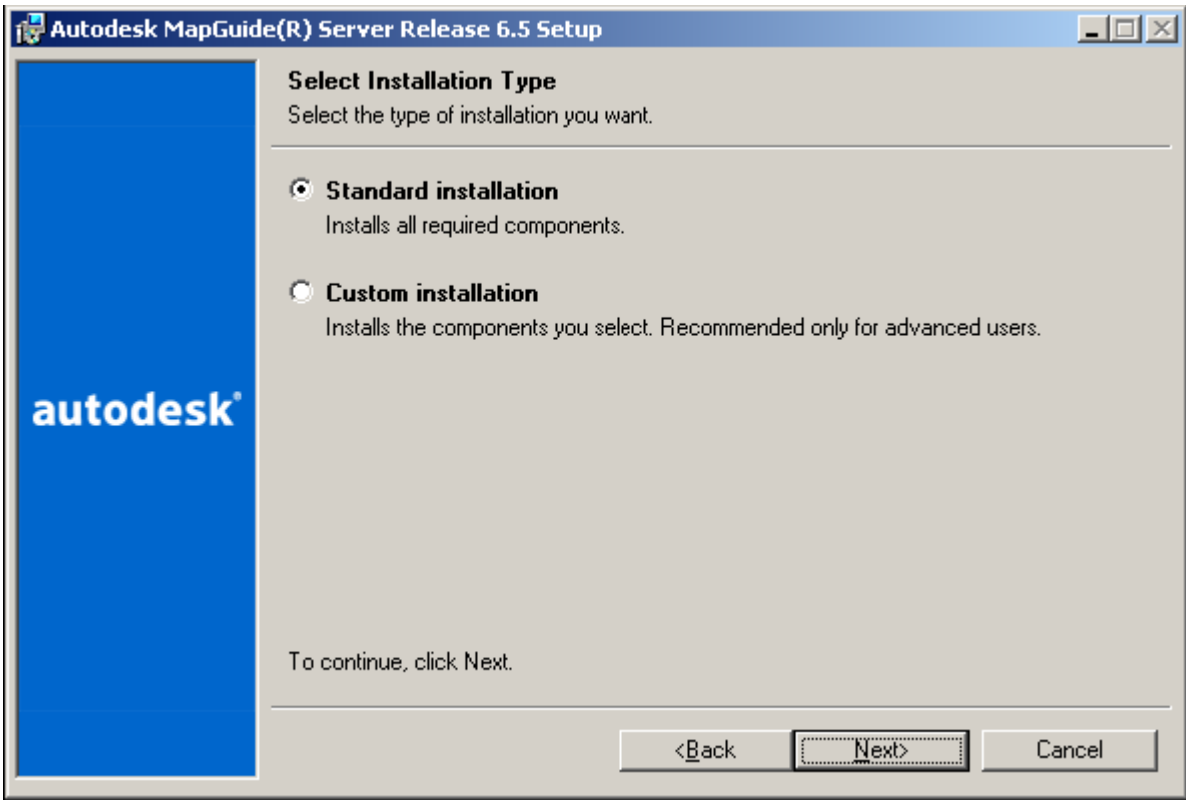

Autodesk MapGuide(R) Server Release 6.5 Setup
autodesk
Select Installation Type
Select the type of installation you want.
Standard installation
Installs all required components.
Custom installation
Installs the components you select. Recommended only for advanced users.
To continue, click Next.
<Back
Next>
Cancel

Figure 45- Installation Type Dialog Box

7. Ensure Standard installation is selected and click **Next**.

   The *Select Installation Directory* dialog appears.

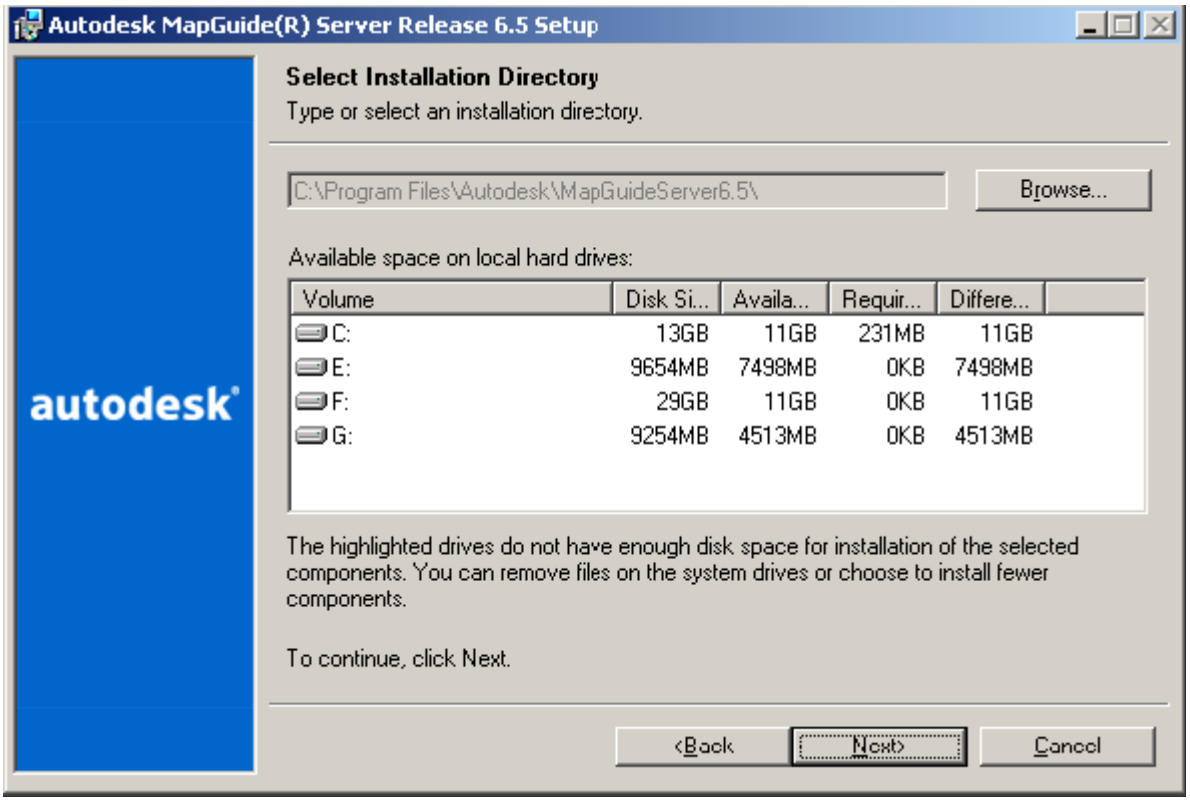

Autodesk MapGuide(R) Server Release 6.5 Setup
autodesk
Select Installation Directory
Type or select an installation directory.
C:\Program Files\Autodesk\MapGuideServer6.5\
Browse...
Available space on local hard drives:
Volume
Disk Si...
Availa...
Requir...
Differe...
C: 13GB 11GB 231MB 11GB
E: 9654MB 7498MB 0KB 7498MB
F: 29GB 11GB 0KB 11GB
G: 9254MB 4513MB 0KB 4513MB
The highlighted drives do not have enough disk space for installation of the selected components. You can remove files on the system drives or choose to install fewer components.
To continue, click Next.
<Back
Next>
Cancel

Figure 46- Select Installation Dialog Box

8. Click **Next**.

   The *Configure Autodesk MapGuide Server Settings* dialog appears.

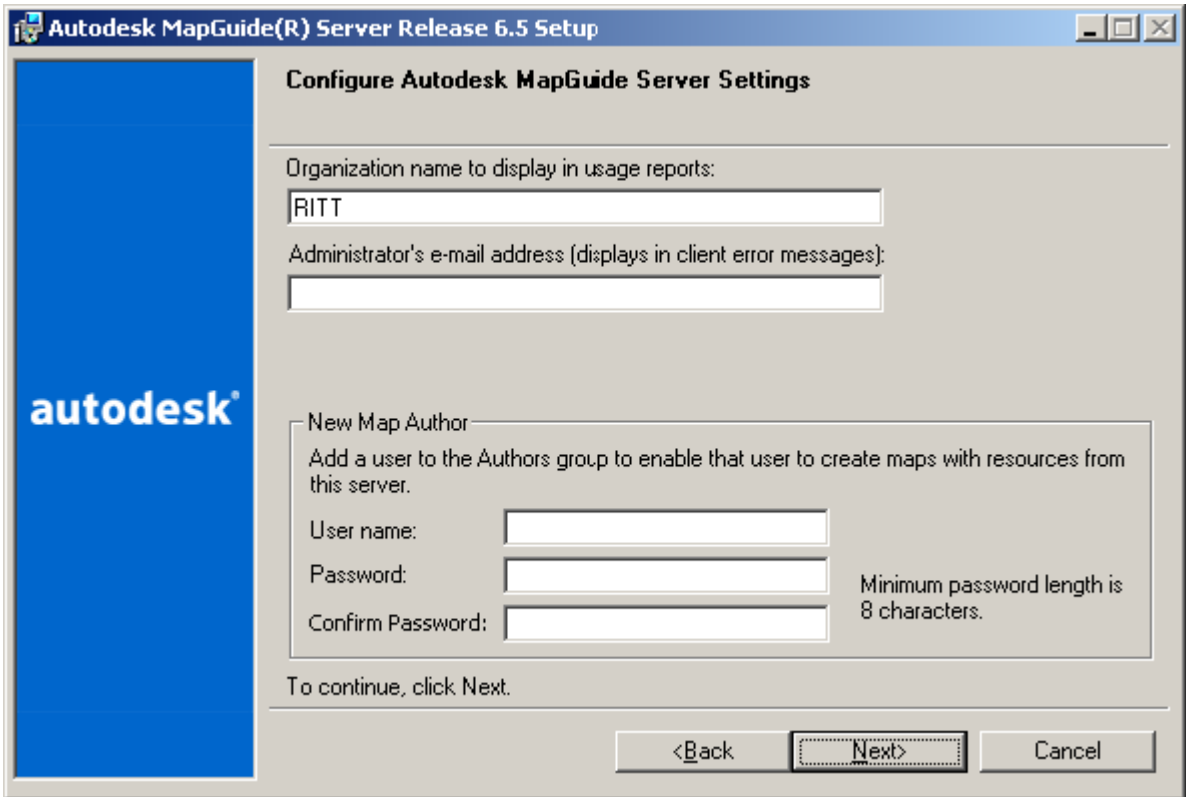

Autodesk MapGuide(R) Server Release 6.5 Setup
autodesk
Configure Autodesk MapGuide Server Settings
Organization name to display in usage reports:
RITT
Administrator's e-mail address (displays in client error messages):
New Map Author
Add a user to the Authors group to enable that user to create maps with resources from this server.
User name:
Password:
Confirm Password:
Minimum password length is 8 characters.
To continue, click Next.
<Back
Next>
Cancel

Figure 47- Autodesk MapGuide Server Dialog Box

9. Click **Next**.

The *Notes for Configuring Autodesk MapGuide Server Service* dialog appears.

10. Click **Next**.

The *Oracle Client Not Detected* dialog appears.

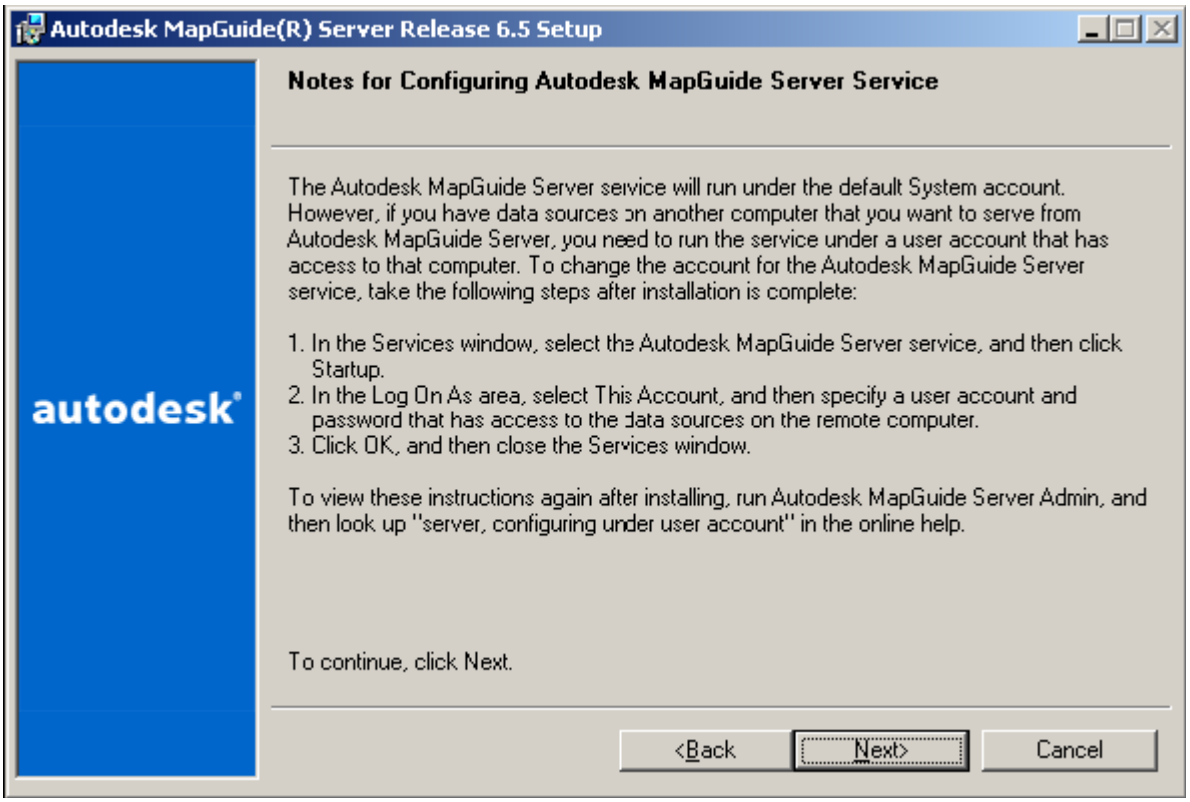

Autodesk MapGuide(R) Server Release 6.5 Setup
autodesk
Notes for Configuring Autodesk MapGuide Server Service
The Autodesk MapGuide Server service will run under the default System account. However, if you have data sources on another computer that you want to serve from Autodesk MapGuide Server, you need to run the service under a user account that has access to that computer. To change the account for the Autodesk MapGuide Server service, take the following steps after installation is complete:
1. In the Services window, select the Autodesk MapGuide Server service, and then click Startup.
2. In the Log On As area, select This Account, and then specify a user account and password that has access to the data sources on the remote computer.
3. Click OK, and then close the Services window.
To view these instructions again after installing, run Autodesk MapGuide Server Admin, and then look up "server, configuring under user account" in the online help.
To continue, click Next.
<Back
Next>
Cancel

Figure 48- Oracle Client Not Detected Dialog Box

11. Click **Next**.

The *Confirm Installation* dialog appears.

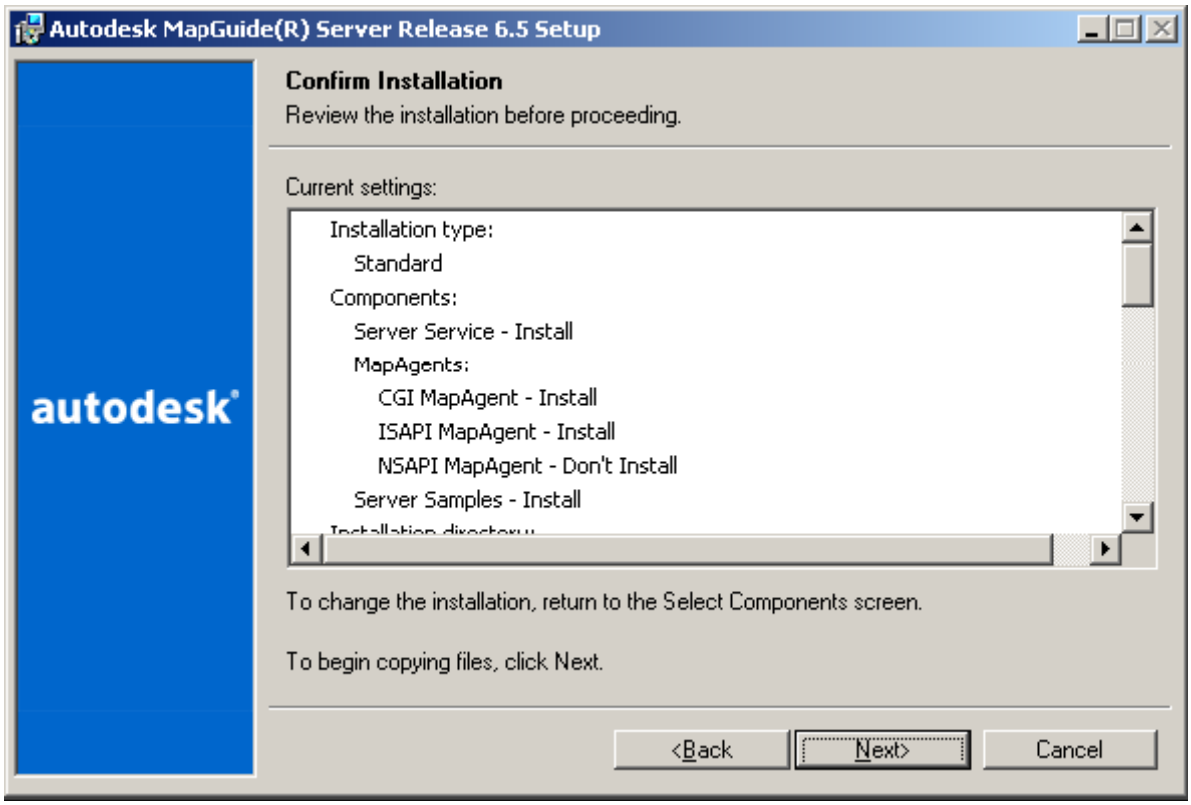


Figure 49- Confirm Installation Dialog Box

12. Click **Next**.

The installation process starts. A progress dialog appears.

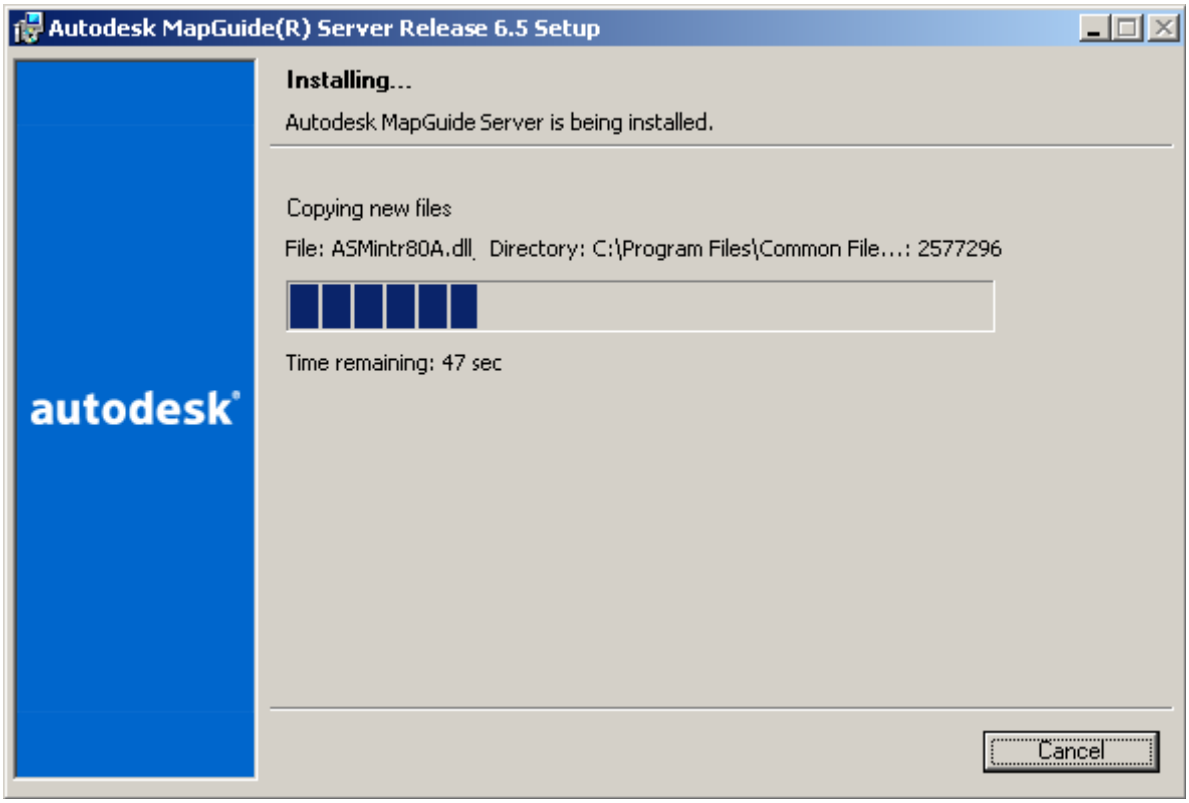
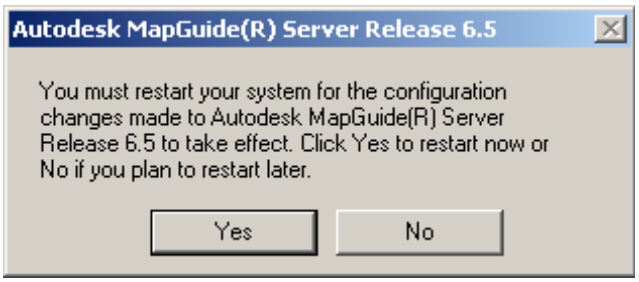


Figure 50- Installation Process Dialog Box

On completion of the installation process, the Setup Complete dialog appears.

13. Click **Finish**.

The *restart message* appears.


Autodesk MapGuide(R) Server Release 6.5
You must restart your system for the configuration changes made to Autodesk MapGuide(R) Server Release 6.5 to take effect. Click Yes to restart now or No if you plan to restart later.
Yes
No

14. Click **Yes**.

The computer reboots.

Installing the MapGuide SDF

1. Using the Installation Utility, select Utilities.

The *Installation Utility* screen appears.

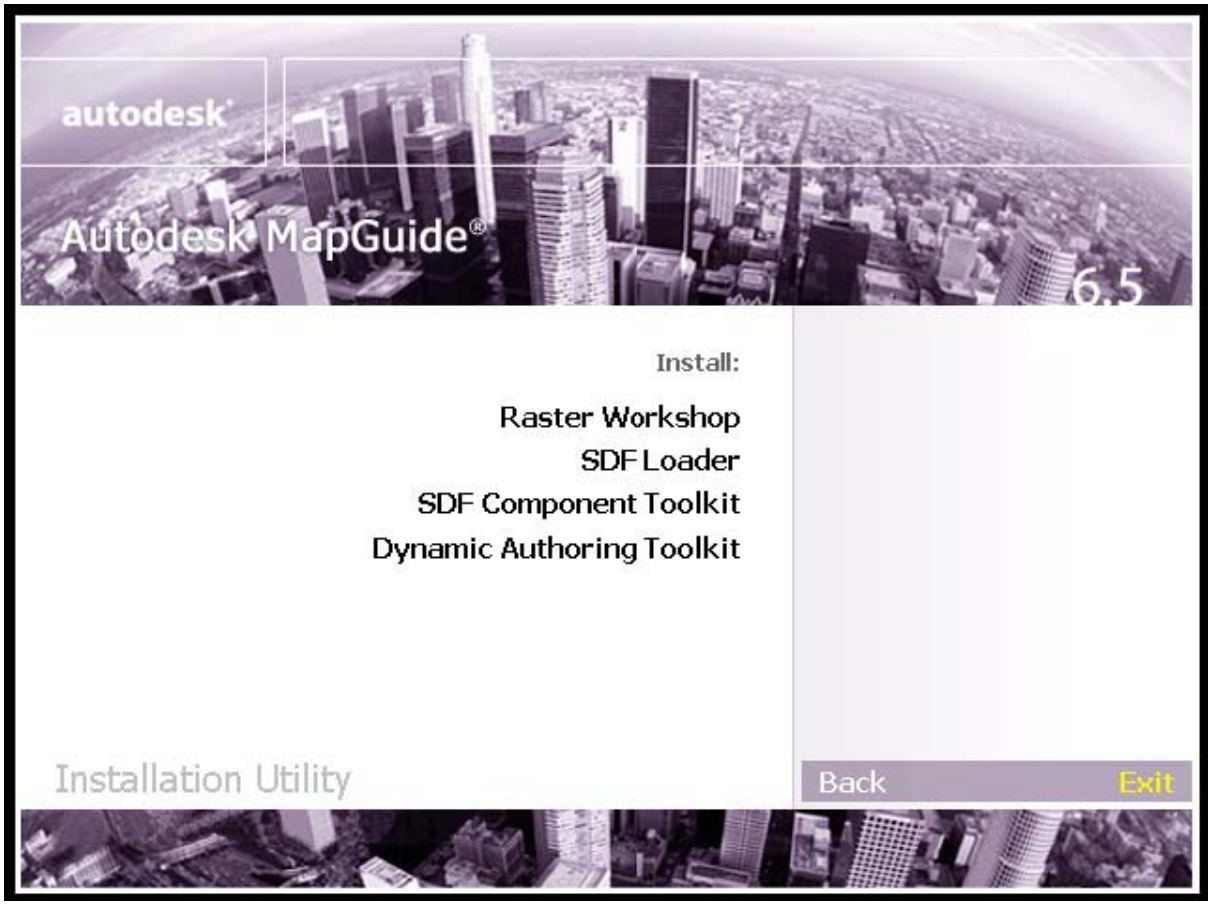


Figure 51-Installation Utility Screen Dialog Box

2. Click **SDF Component Toolkit.**

The *Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup* – Welcome dialog appears.

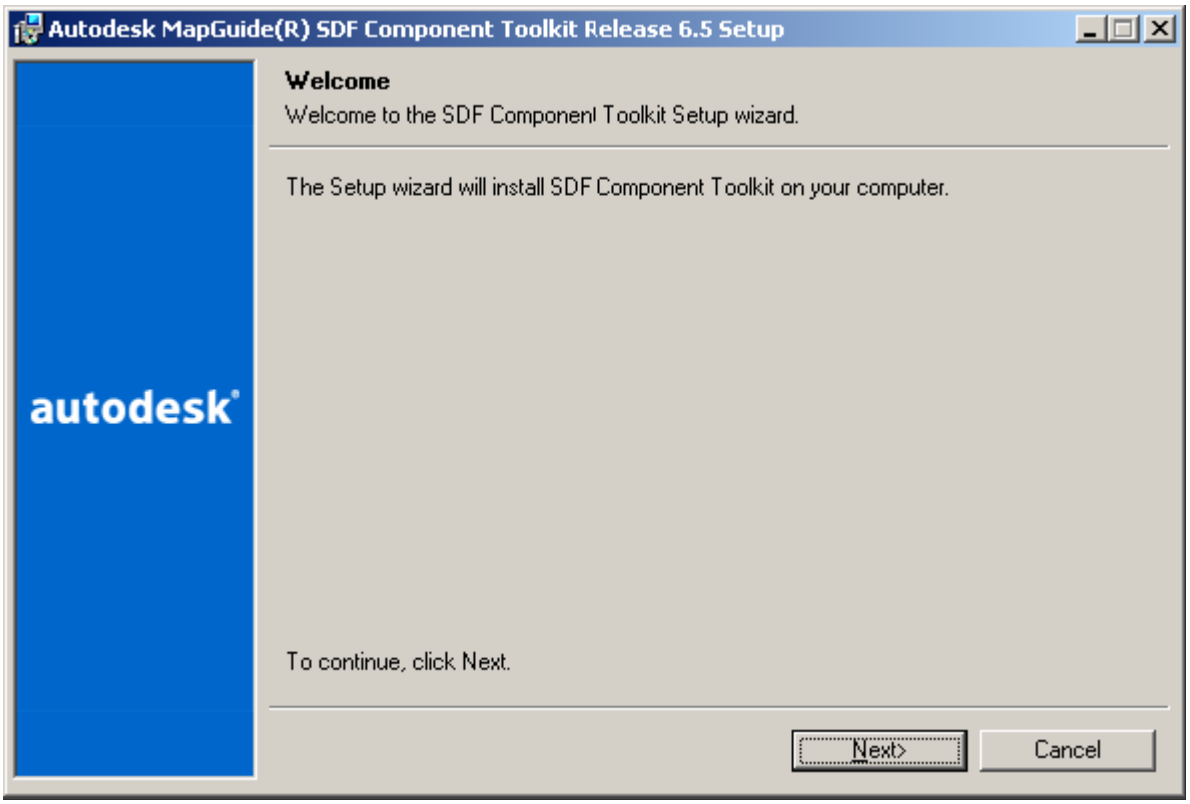

Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup
autodesk
Welcome
Welcome to the SDF Component Toolkit Setup wizard.
The Setup wizard will install SDF Component Toolkit on your computer.
To continue, click Next.
Next>
Cancel

Figure 52- Autodesk MapGuide(R) SDF Component Toolkit Release Dialog Box

3. Click **Next**.

The *Select Installation Directory* dialog appears.

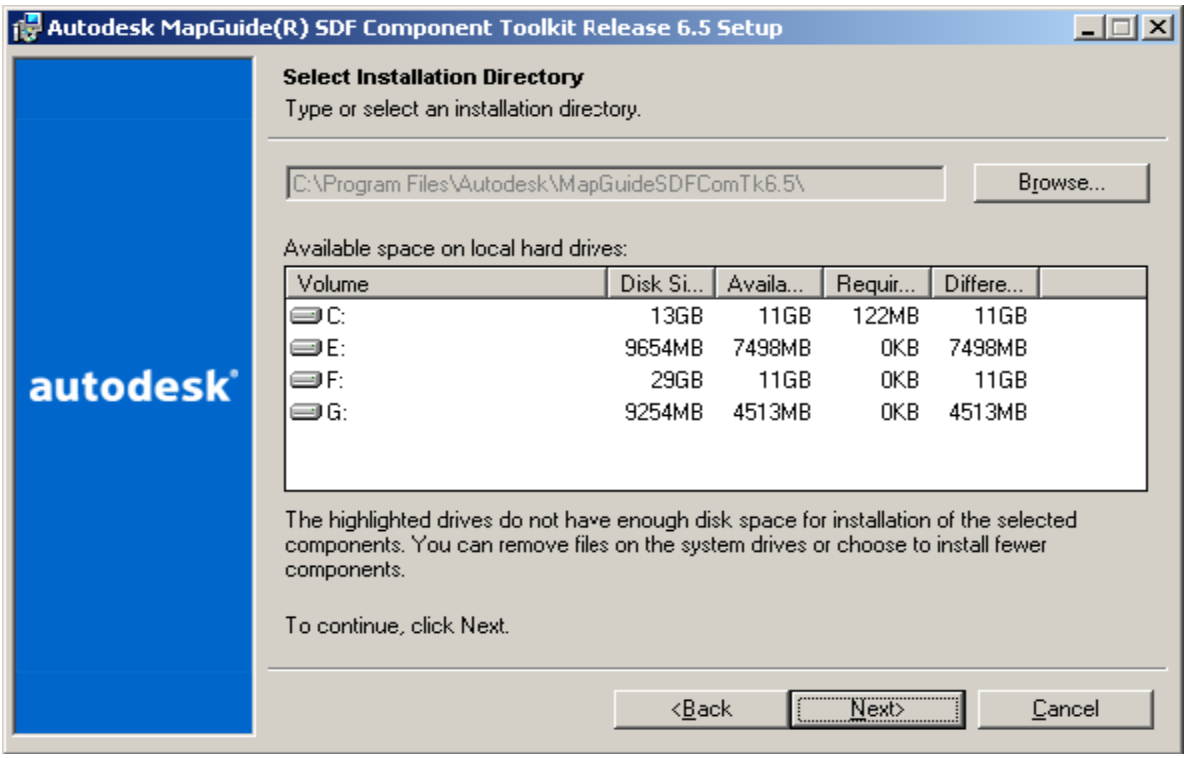

Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup
autodesk
Select Installation Directory
Type or select an installation directory.
C:\Program Files\Autodesk\MapGuideSDFComTk6.5\
Browse...
Available space on local hard drives:
Volume Disk Si... Availa... Requir... Differe...
C: 13GB 11GB 122MB 11GB
E: 9654MB 7498MB 0KB 7498MB
F: 29GB 11GB 0KB 11GB
G: 9254MB 4513MB 0KB 4513MB
The highlighted drives do not have enough disk space for installation of the selected components. You can remove files on the system drives or choose to install fewer components.
To continue, click Next.
<Back
Next>
Cancel

Figure 53- Select Installation Dialog Box

4. Click **Next**.

   The *CSMap Files Detected* dialog appears.

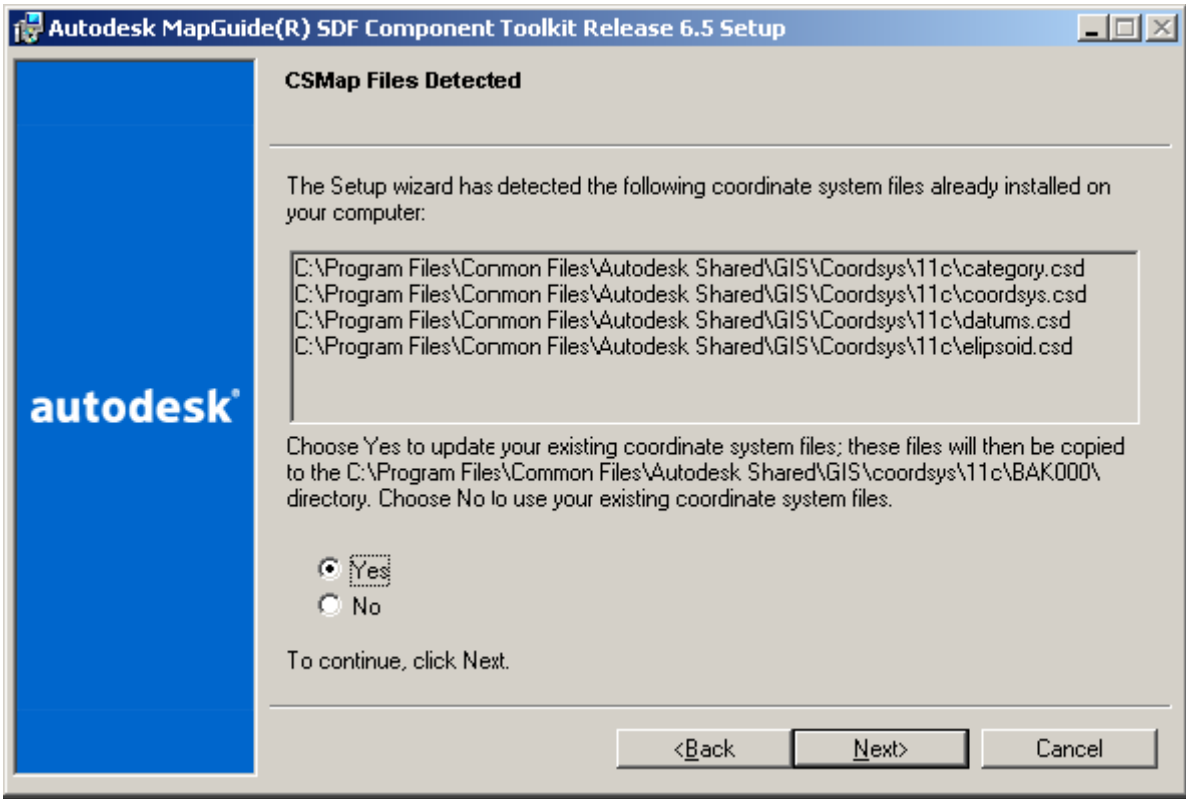

Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup
CSMap Files Detected
The Setup wizard has detected the following coordinate system files already installed on your computer:
C:\Program Files\Common Files\Autodesk Shared\GIS\Coordsys\11c\category.csd
C:\Program Files\Common Files\Autodesk Shared\GIS\Coordsys\11c\coordsys.csd
C:\Program Files\Common Files\Autodesk Shared\GIS\Coordsys\11c\datums.csd
C:\Program Files\Common Files\Autodesk Shared\GIS\Coordsys\11c\elipsoid.csd
Choose Yes to update your existing coordinate system files; these files will then be copied to the C:\Program Files\Common Files\Autodesk Shared\GIS\coordsys\11c\BAK000\ directory. Choose No to use your existing coordinate system files.
Yes
No
To continue, click Next.
<Back
Next>
Cancel
autodesk

Figure 54- CSMap Files Detected Dialog Box

5. Ensure Yes is selected and click **Next**.

   The Setup *Complete* dialog appears.

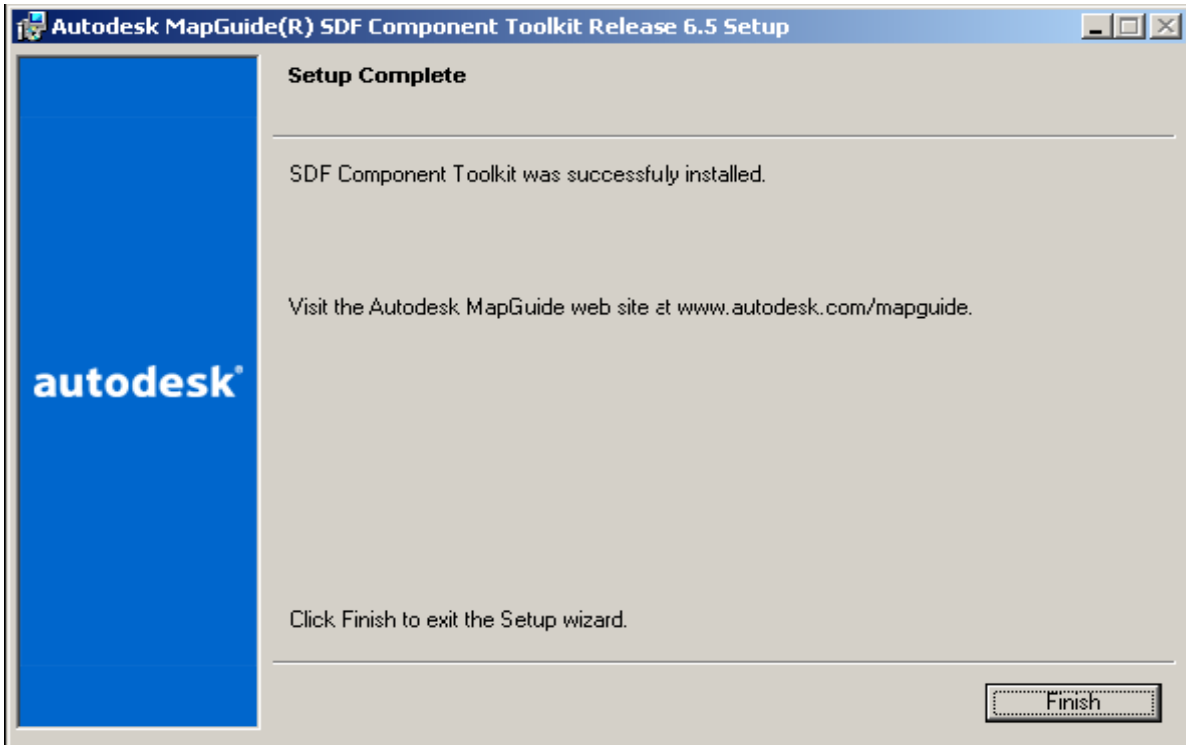

Autodesk MapGuide(R) SDF Component Toolkit Release 6.5 Setup
Setup Complete
SDF Component Toolkit was successfuly installed.
Visit the Autodesk MapGuide web site at www.autodesk.com/mapguide.
Click Finish to exit the Setup wizard.
Finish
autodesk

Figure 55-Setup Complete Dialog Box

6. Click **Finish**.

   After the installation process completes, the *Installation Utility* main screen reappears.

7. Click **Exit**.

Installing the PV4E CAD Module

The PV4E CAD Module installation is a simple process when all hardware and software requirements are met. The intuitive Setup Wizard guides the system administrator through the steps necessary to install the software product.

Tip: The Serial Number, CD Key and Authorization Code are required during the installation process. Please refer to the Registration Document included in this package. This tip only refers to when you are installing the CAD Module on MapGuide 6.0.

To start the installation

1. Log into the server with Administrator privileges.
2. Insert the PV4E CAD Module CD-ROM into your CD-ROM drive.

   The *PV4E CAD Module* Installation screen opens automatically.

Figure 56- PV4E CAD Module Installation Dialog Box

3. Click **OK**, positioned to the right of CAD Module.

   The Preparing to *Install InstallShield Wizard* dialog box opens.

   When the InstallShield Wizard is installed, the *CAD Module Setup – Welcome* dialog opens.

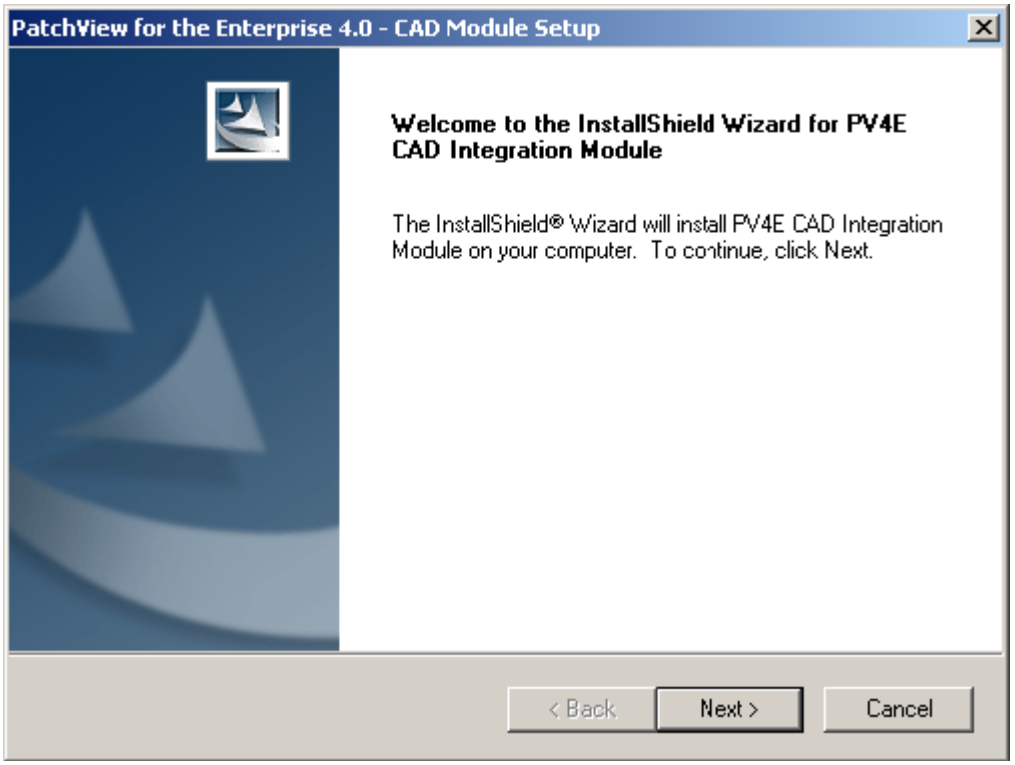
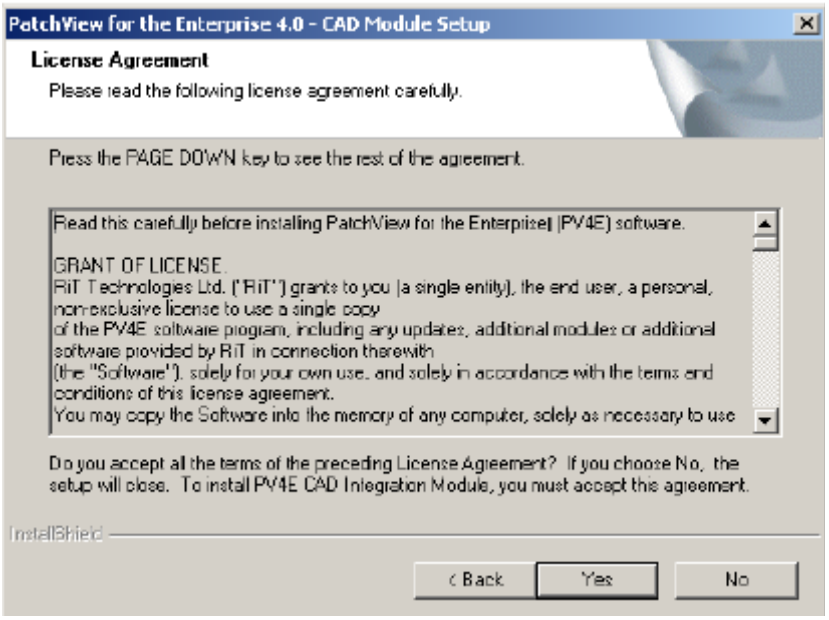

PatchView for the Enterprise 4.0 - CAD Module Setup
Welcome to the InstallShield Wizard for PV4E CAD Integration Module
The InstallShield® Wizard will install PV4E CAD Integration Module on your computer. To continue, click Next.
< Back
Next >
Cancel

Figure 57- PV4E CAD Module Setup Dialog Box

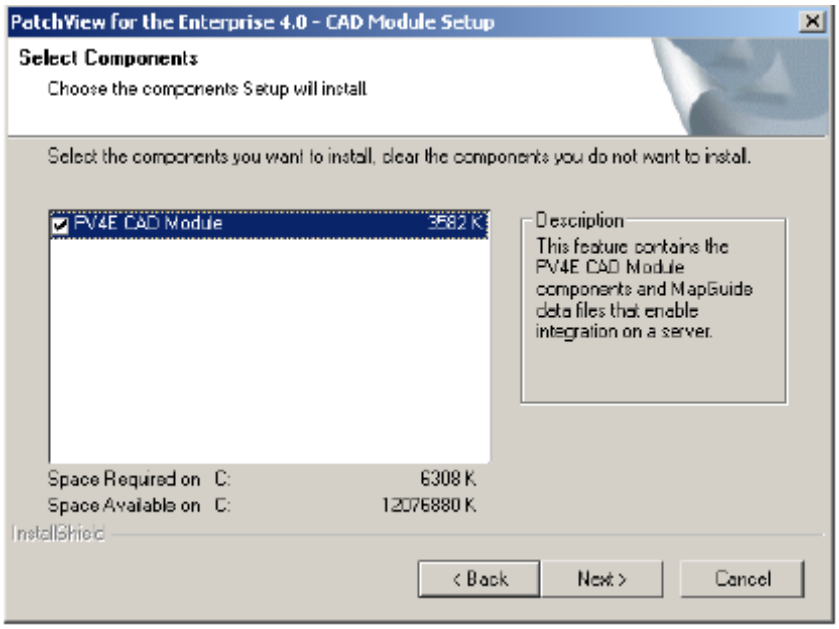
4. Click **Next**.

   The *License Agreement* dialog opens.


PatchView for the Enterprise 4.0 - CAD Module Setup
License Agreement
Please read the following license agreement carefully.
Press the PAGE DOWN key to see the rest of the agreement.
Read this carefully before installing PatchView for the Enterprise (PV4E) software.
GRANT OF LICENSE.
RiT Technologies Ltd. ("RiT") grants to you (a single entity), the end user, a personal, nonexclusive license to use a single copy of the PV4E software program, including any updates, additional modules or additional software provided by RiT in connection therewith (the "Software"), solely for your own use, and solely in accordance with the terms and conditions of this license agreement.
You may copy the Software into the memory of any computer, solely as necessary to use
Do you accept all the terms of the preceding License Agreement? If you choose No, the setup will close. To install PV4E CAD Integration Module, you must accept this agreement.
InstallShield
< Back
Yes
No

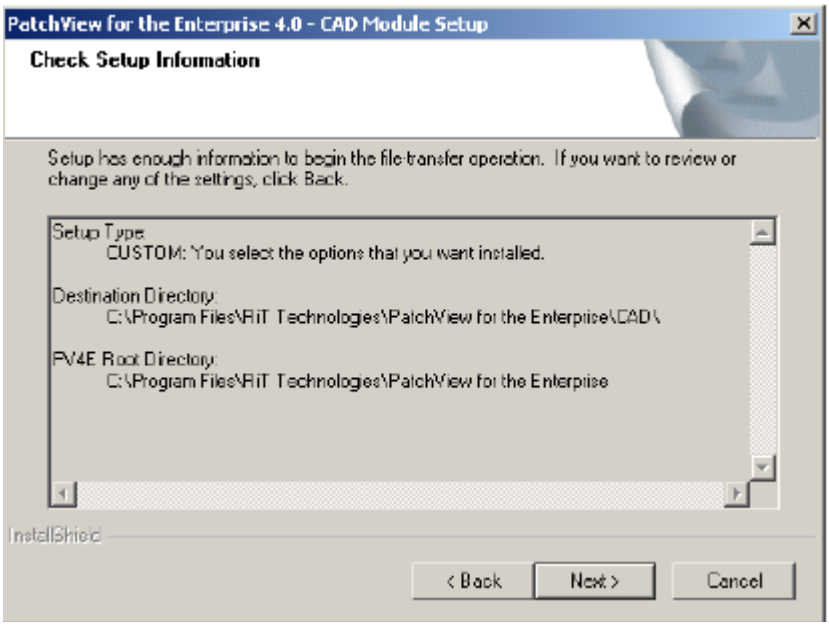
5. Click **Yes** to continue.

   The *Select Components* dialog opens.


PatchView for the Enterprise 4.0 - CAD Module Setup
Select Components
Choose the components Setup will install.
Select the components you want to install, clear the components you do not want to install.
PV4E CAD Module
3582 K
Description
This feature contains the PV4E CAD Module components and MapGuide data files that enable integration on a server.
Space Required on C:
6308 K
Space Available on C:
12076880 K
InstallShield
< Back
Next >
Cancel

6. Click **Next**.

   The *Check Setup Information* dialog appears.


PatchView for the Enterprise 4.0 - CAD Module Setup
Check Setup Information
Setup has enough information to begin the file transfer operation. If you want to review or change any of the settings, click Back.
Setup Type:
CUSTOM: You select the options that you want installed.
Destination Directory:
C:\Program Files\RiT Technologies\PatchView for the Enterprise\CAD\
PV4E Root Directory:
C:\Program Files\RiT Technologies\PatchView for the Enterprise
InstallShield
< Back
Next >
Cancel

7. Click **Next**.

   The setup process continues. A progress window opens showing the progress of the installation.

   At the completion of the installation, the *Installation Wizard Complete* dialog appears.

8. Click **Finish** and the computer restarts.

   Leave the CD-ROM in the computer until the reboot process has completed after logging into Windows.

Note:

For CAD to work, the Active X Components must have the correct settings. sharon

MapGuide Configuration

After completing the PV4E CAD Module installation you need to configure the MapGuide application.

To configure MapGuide

1. From the Windows **Start** menu, select **Programs** > **MapGuide Release 6.5 > Autodesk MapGuide Server Admin**.

   The *Autodesk MapGuide Server Admin* window opens.

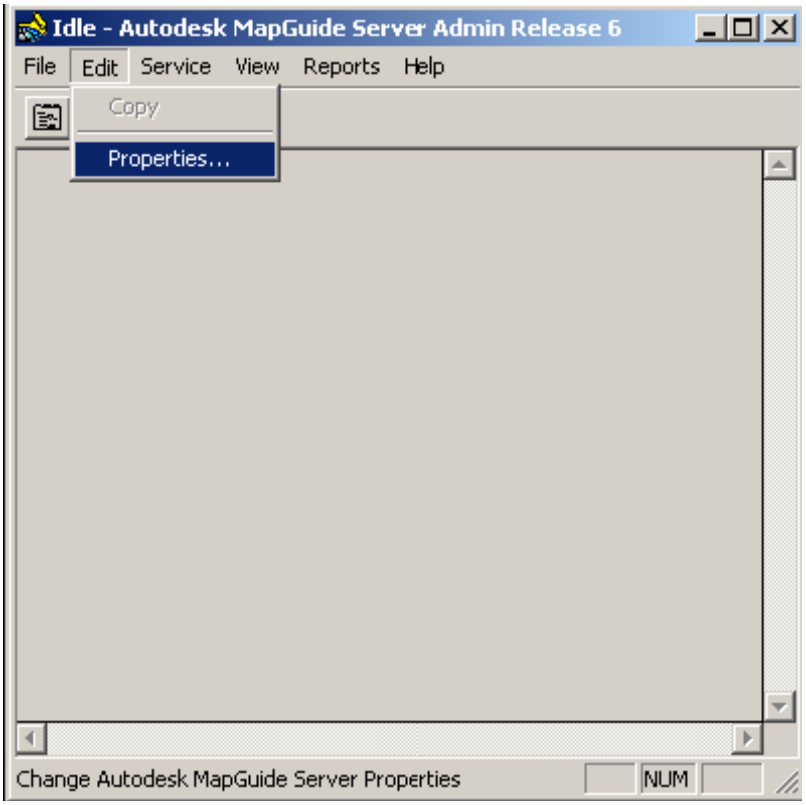


Figure 58- Autodesk MapGuide Server Admin Dialog Box

2. From the **Edit** menu, select **Properties**.

   The *Properties* dialog opens.

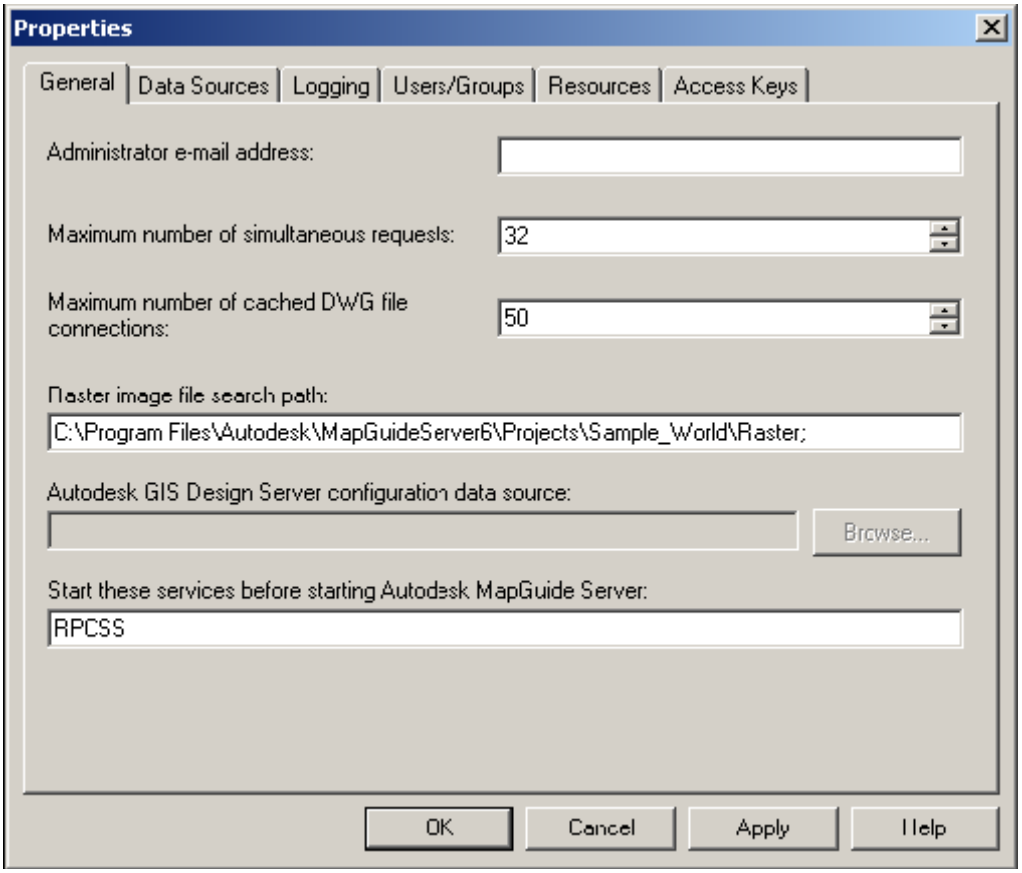


Figure 59- Properties Dialog Box

3. Enter the value 32 into the **Maximum number of simultaneous requests** field.
4. Enter the value 50 into the **Maximum number of cached DWG file connection**s field.
5. Click **Apply**.
6. Click **OK**.

Activating the Active X Component

To activate the Active X Component

1. Right-click on the *Internet Explorer* icon on the computer desktop.
2. Select and click **Properties** from the drop-down menu.

   The *Internet Properties* dialog opens.
3. Click the *Security* tab.

   The *Security Tab* Window opens.

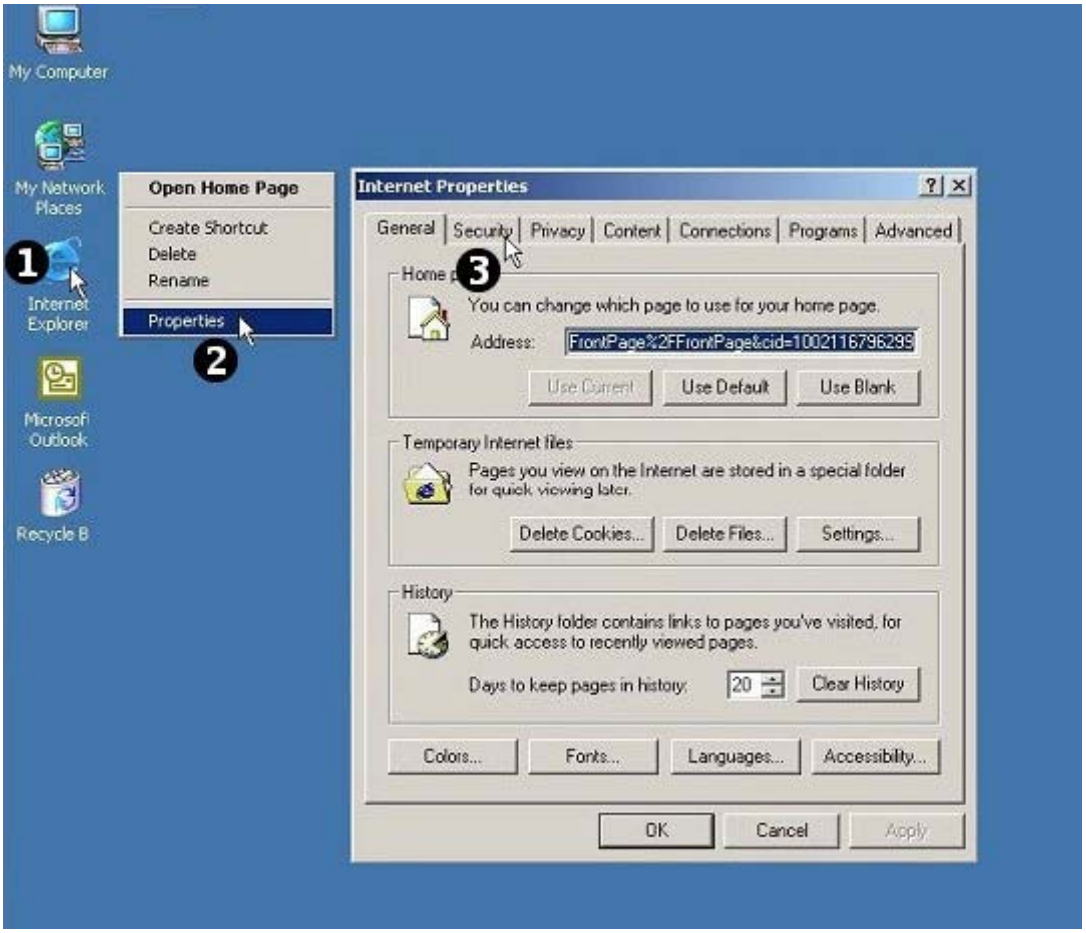


Figure 60- Security Tab Dialog Box

4. Select the **Internet** icon.
5. Click the **Custom Level** button.

   The *Security Settings* dialog opens.

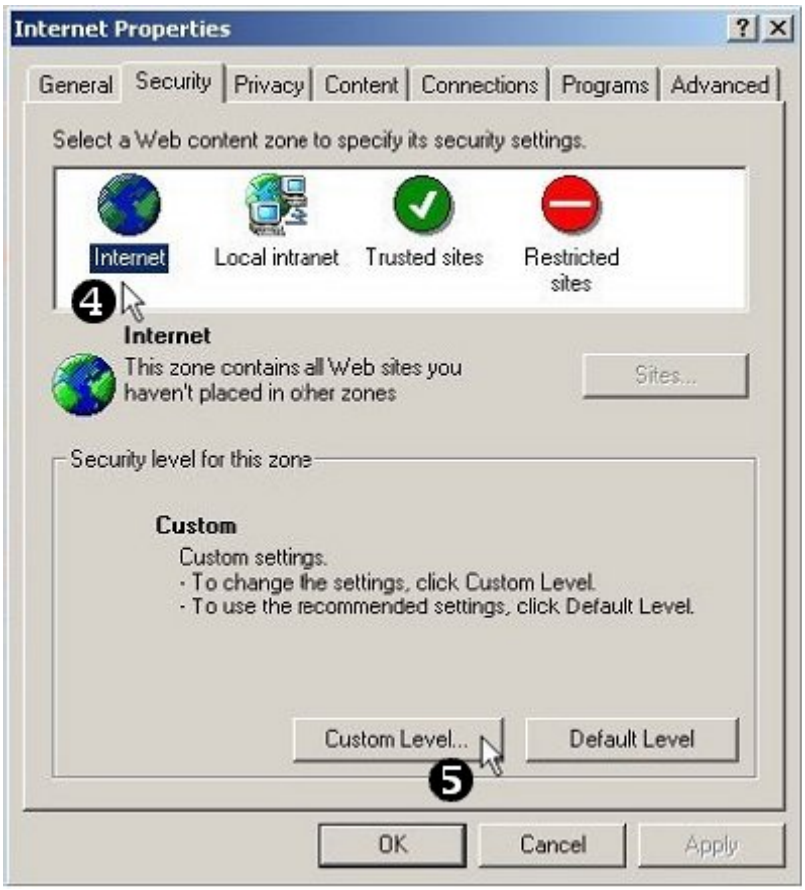
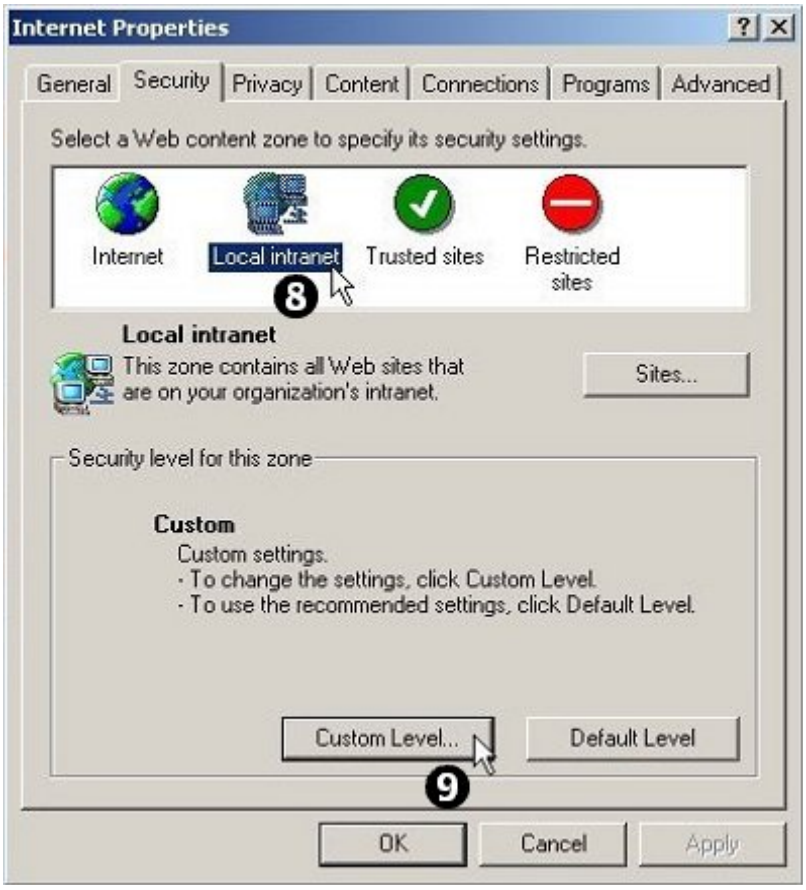


Figure 61- Security Settings Dialog Box

6. In the *ActiveX controls and plug-ins* section click the Prompt radio buttons.
7. Click the **OK** button.

   The *Security Settings* dialog closes.



8. In the *Internet Properties* dialog, select **Local Intranet**.
9. Click **Custom Level.**

   The *Security Settings* dialog opens.
10. In the *ActiveX* controls and plug-ins section click **Prompt** radio buttons.
11. Click **OK**.

    The *Security Settings* dialog closes.
12. Click **OK** to close the Internet Properties dialog to complete the process.
13. Reboot the system.

Changing DCOM User Privileges

1. Open the *Control Panel*
2. Open the *Administrative Tools*
3. Open *Component Services*
4. Go to *Computers\My Computer\DCOM Config\autodesk_mapguide_server*
5. Right-click and select **Properties**
6. Go to the *Security tab*
7. On the Launch and Activation Permissions click **Edit**...

8. Click **Add**...
9. Click **Advanced**...
10. Click **Locations**...
11. Choose the local computer name (not a domain name) and click **OK**
12. Click **Find Now**
13. After the search completes choose the user that its name begins with IUSR_ and ends with the machine name.

    For example if the machine name is MyMachine then the user name is **IUSR_MYMACHINE**

14 Click **OK**

15 Click **OK**

16. A new entry will appear in the Group or user names list: Internet Guest Account - select

18. In the Permission list below check all of the actions to enable the user local and remote launch and activation.
19. Repeat steps 8 to 12
20. But find **your user name** and choose it
21. Repeat on steps 14 to 18 on your user name
22. Click **OK**
23. Click **OK**
24. Repeat steps 8 to 12
25. This time find the **Network Service** account and choose it
26. Repeat steps 14 to 18 on Network Service account
27. Click **OK**
28. Click **OK**
29. You do not have to reboot your machine

Chapter 5 – PV360 Dashboard Installation

Installation of PV4E V5.0 includes installation of Dashborad on the server side.

Client Side

Changing the Web Security Settings

Please see Changing the Web Security Settings (To View ActiveX Controls) page 17.

PV360 Dashboard Configuration Instructions

Note:

The following configuration is for the client side

Before you can begin configuring the Dashboard functionality you must take several preliminary steps, as follows:

Select the Internet Information Services (IIS). This can be found under: **Start** > **Settings** > **Control Panel** > **Administrative Tools**.

The following IIS screens opens: Perform the following steps:

1. Select *>local computer > Web Sites > PV4E.*

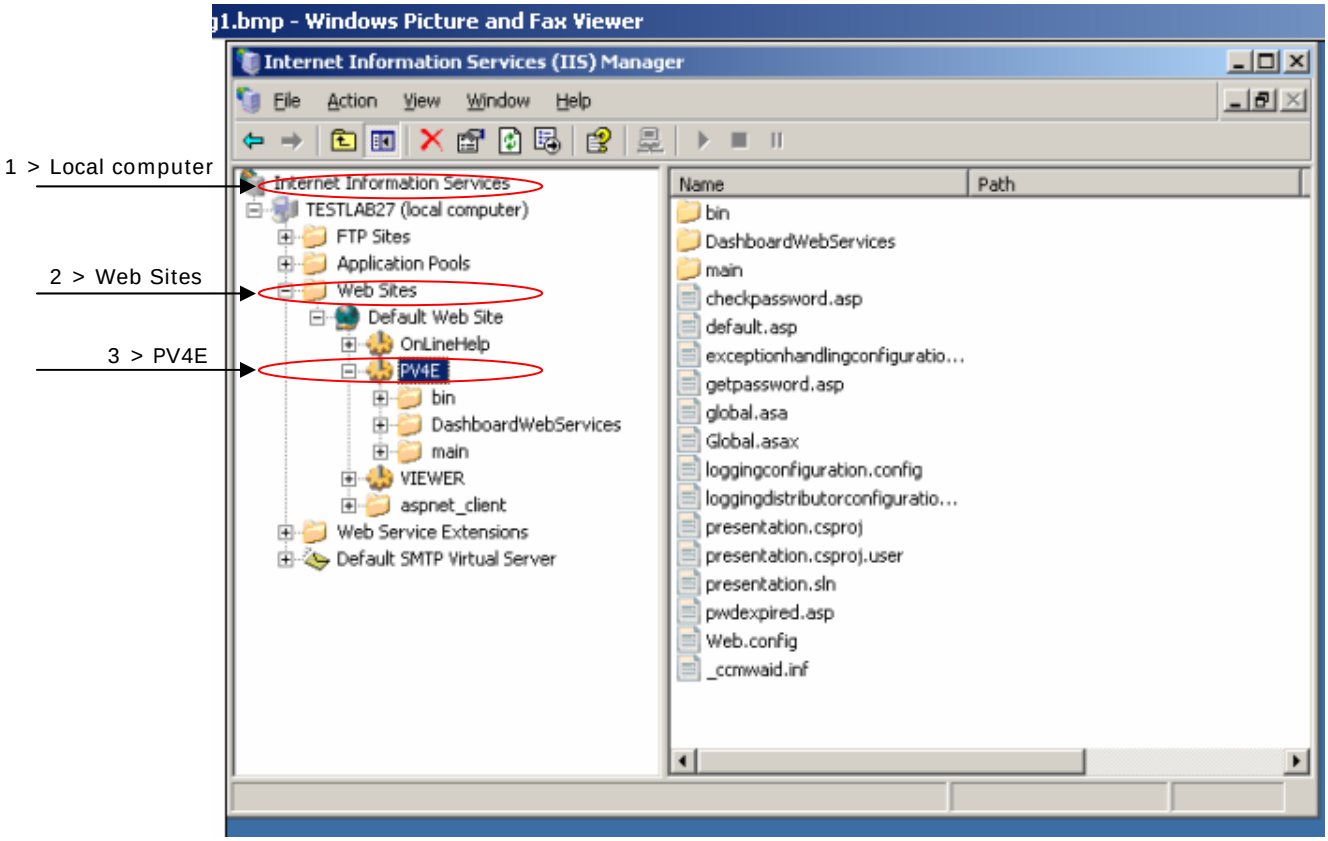


Figure 62 - IIS Manager

2. Stand on **PV4E** and right-click.

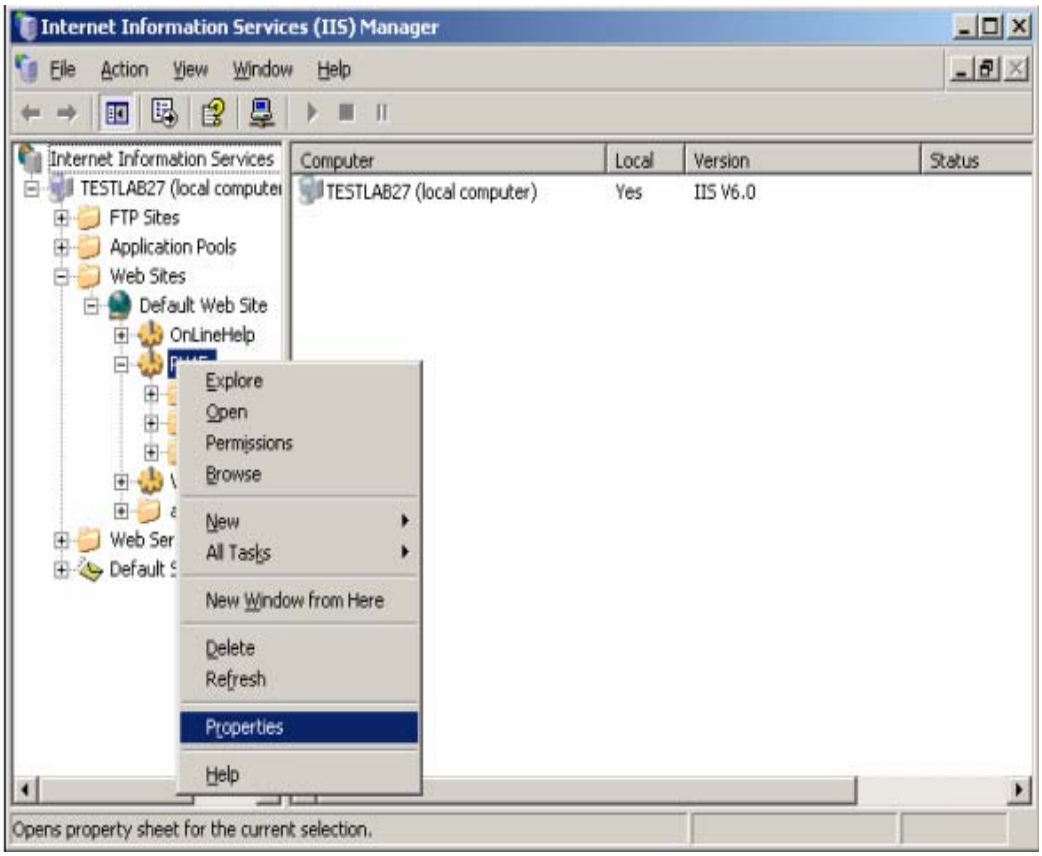


Figure 63 - IIS Manager

3. From the context menu, right-click > **Properties**. The following *PV4E Properties* dialog box opens:

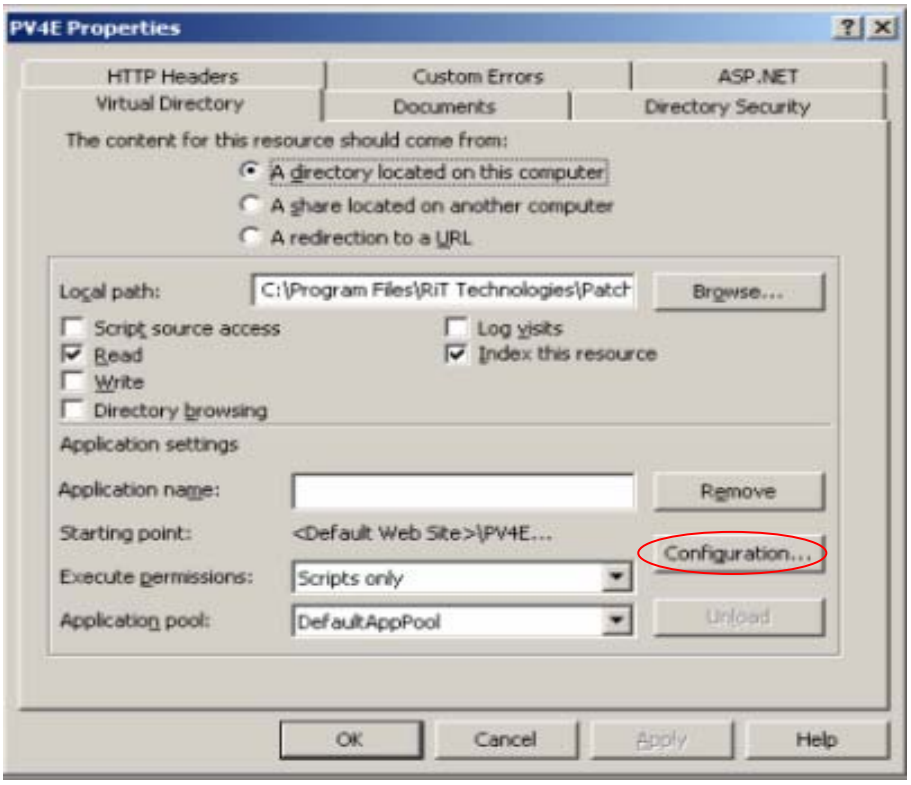


Figure 64 - PV4E Properties Window

4. Click **Configuration.** The following *Application Configuration* box opens:

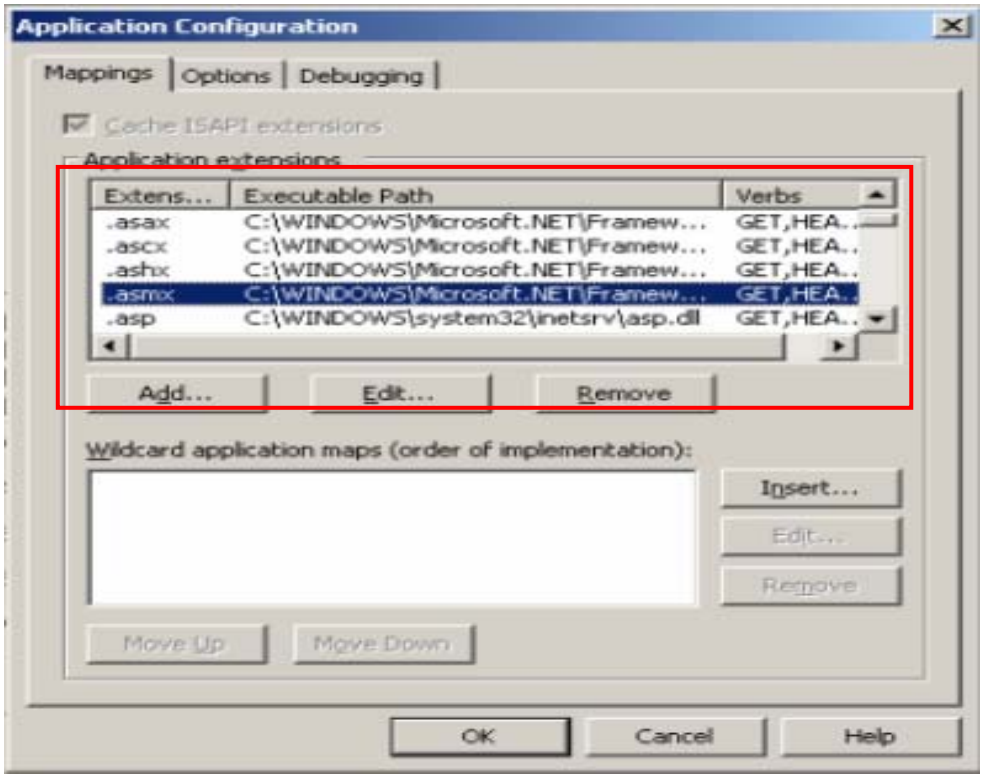


Figure 65 - Application Configuration Screen

5. Look for a file with an '.asmx' extension from the *Application extensions* field box and double click. The following *Add/Edit Application Extension Mapping* screen opens:

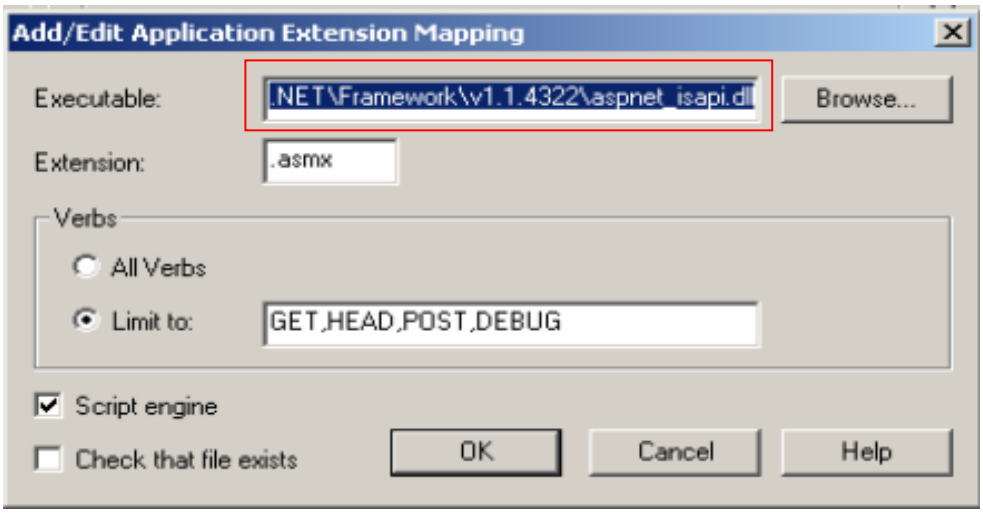


Figure 66 - Add/Edit Application Extension Mapping

6. If in the *Executable* field, the version is V1.1.4322, Click **OK**. If the version is not V1.1.4322, click **Browse**. The following screen opens:

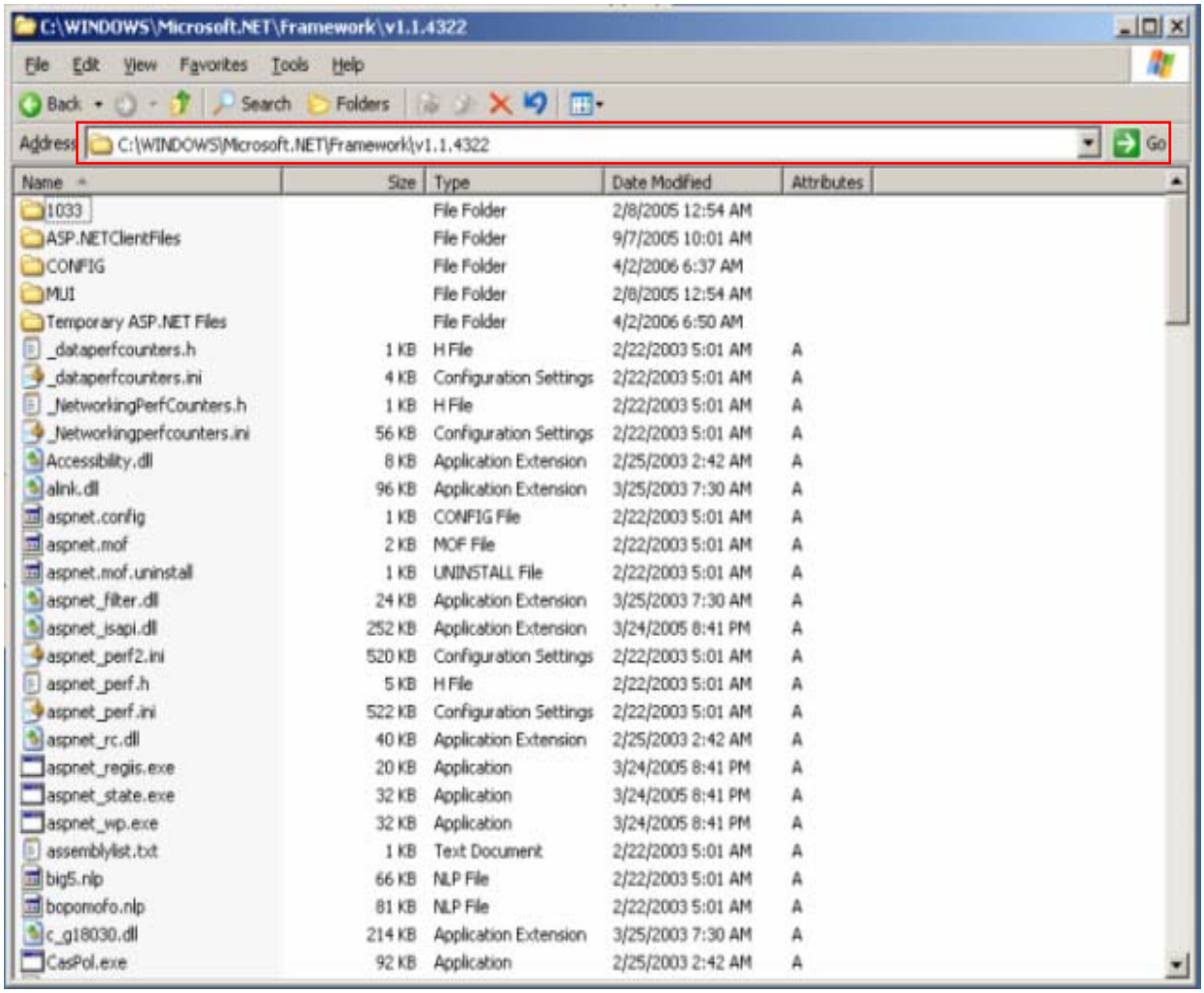

C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322
File Edit View Favorites Tools Help
Back Search Folders
Address C:\WINDOWS\Microsoft.NET\Framework\v1.1.4322
Go
Name Size Type Date Modified Attributes
1033 File Folder 2/8/2005 12:54 AM
ASP.NETClientFiles File Folder 9/7/2005 10:01 AM
CONFIG File Folder 4/2/2006 6:37 AM
MUI File Folder 2/8/2005 12:54 AM
Temporary ASP.NET Files File Folder 4/2/2006 6:50 AM
_dataperfcounters.h 1 KB H File 2/22/2003 5:01 AM A
_dataperfcounters.ini 4 KB Configuration Settings 2/22/2003 5:01 AM A
_NetworkingPerfCounters.h 1 KB H File 2/22/2003 5:01 AM A
_Networkingperfcounters.ini 56 KB Configuration Settings 2/22/2003 5:01 AM A
Accessibility.dll 8 KB Application Extension 2/25/2003 2:42 AM A
alink.dll 96 KB Application Extension 3/25/2003 7:30 AM A
aspnet.config 1 KB CONFIG File 2/22/2003 5:01 AM A
aspnet.mof 2 KB MOF File 2/22/2003 5:01 AM A
aspnet.mof.uninstall 1 KB UNINSTALL File 2/22/2003 5:01 AM A
aspnet_filter.dll 24 KB Application Extension 3/25/2003 7:30 AM A
aspnet_isapi.dll 252 KB Application Extension 3/24/2005 8:41 PM A
aspnet_perf2.ini 520 KB Configuration Settings 2/22/2003 5:01 AM A
aspnet_perf.h 5 KB H File 2/22/2003 5:01 AM A
aspnet_perf.ini 522 KB Configuration Settings 2/22/2003 5:01 AM A
aspnet_rc.dll 40 KB Application Extension 2/25/2003 2:42 AM A
aspnet_regiis.exe 20 KB Application 3/24/2005 8:41 PM A
aspnet_state.exe 32 KB Application 3/24/2005 8:41 PM A
aspnet_wp.exe 32 KB Application 3/24/2005 8:41 PM A
assemblylist.txt 1 KB Text Document 2/22/2003 5:01 AM A
big5.nlp 66 KB NLP File 2/22/2003 5:01 AM A
bopomofo.nlp 81 KB NLP File 2/22/2003 5:01 AM A
c_g18030.dll 214 KB Application Extension 3/25/2003 7:30 AM A
CasPol.exe 92 KB Application 2/25/2003 2:42 AM A

Figure 67 - Windows Framework Screen

7. Search for folder: *c:\WINDOWS\Microsoft.Net\Framework\v1.1.4322.* Select the text from the address line and copy. Paste into the Executable line of the *Add/Edit Application Extension Mapping* screen.

8. Click **OK** to close all open windows.

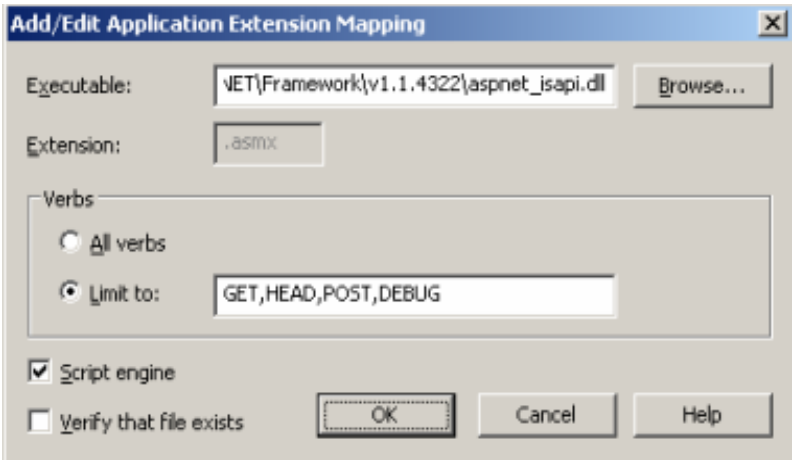


Figure 68 - Add/Edit Application Extension Mapping screen

Dashboard Installation and Server Impact Information

1. The Dashboard installation modifies the ConfigFile.config file and installs in the GAC version 4.0 of the following files:
   - Microsoft.ApplicationBlocks.Cache.dll
   - Microsoft.ApplicationBlocks.ExceptionManagement.dll
   - Microsoft.ApplicationBlocks.ExceptionManagement.Interfaces.dll
2. SQL database - the installation adds the new Service Pack, tables, and a view to the database
3. The Dashboard server communicates with the client using Web Services
4. Server impact - beyond the installation on the server and client no additional impact is expected, not on the devices nor on the network.

For Win2000

If in the IIS (Internet Information Services) Application Configuration the .asmx extension does not exist, you can select it from:

c:\WINDOWS\Microsoft.Net\Framework\v1.1.4322\aspnet_isapi.dll. Click **OK**

For WinXP

ASP.Net will work for computers loaded with Win XP and will not require any change in configuration/setting.

.asmx files

If after selecting **.asmx**, from *c:\WINDOWS\Microsoft.Net\Framework\v1.1.4322\aspnet_isapi.dll* the **OK** button is disabled, you will need to configure the extension by clicking the 'Executable' command field. This step will enable the **OK** button.

Installation

1. Insert the Dashboard installation CD into the CD Rom disk drive. The *PV360 Dashboard Client Components Setup Wizard* Window opens.

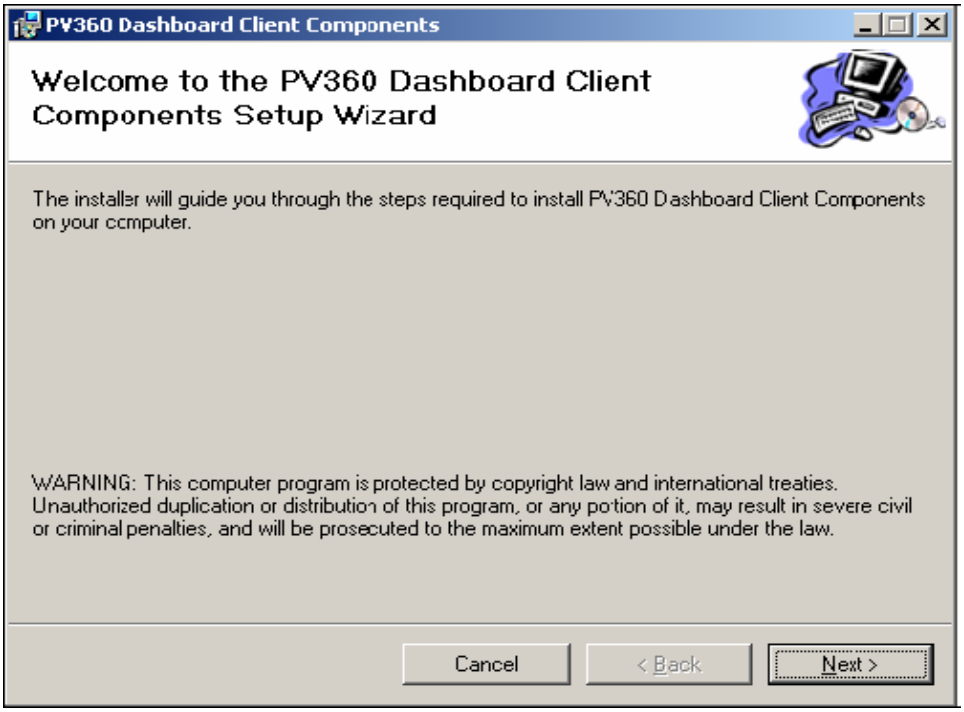

PV360 Dashboard Client Components
Welcome to the PV360 Dashboard Client Components Setup Wizard
The installer will guide you through the steps required to install PV360 Dashboard Client Components on your computer.
WARNING: This computer program is protected by copyright law and international treaties. Unauthorized duplication or distribution of this program, or any portion of it, may result in severe civil or criminal penalties, and will be prosecuted to the maximum extent possible under the law.
Cancel
< Back
Next >

Figure 69 – Dashboard Client Components Setup Wizard dialog box

2. Click **Next.**

   The *Select Installation Folder* Window opens.

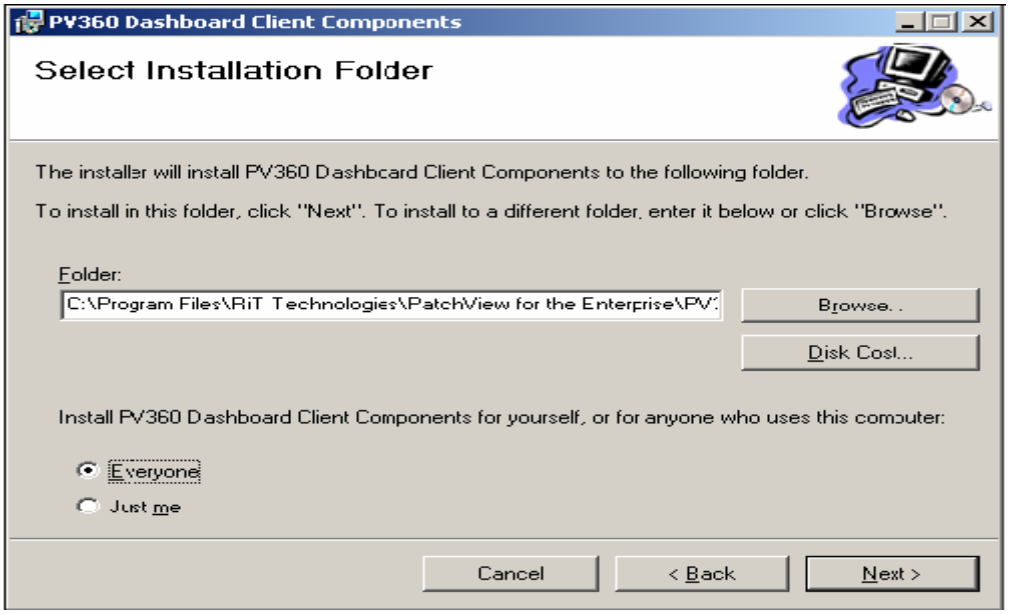

PV360 Dashboard Client Components
Select Installation Folder
The installer will install PV360 Dashboard Client Components to the following folder.
To install in this folder, click "Next". To install to a different folder, enter it below or click "Browse".
Folder:
C:\Program Files\RiT Technologies\PatchView for the Enterprise\PV
Browse...
Disk Cost...
Install PV360 Dashboard Client Components for yourself, or for anyone who uses this computer:
Everyone
Just me
Cancel
< Back
Next >

Figure 70 – Select Installation Folder dialog box

3. If you want to install Dashboard in another location, click **Browse** and select the location. click **OK**. Select the relevant radio button to install Dashboard to everyone who uses the machine, or just you. Click **Next** to continue.

   The *Confirm Installation* dialog box opens

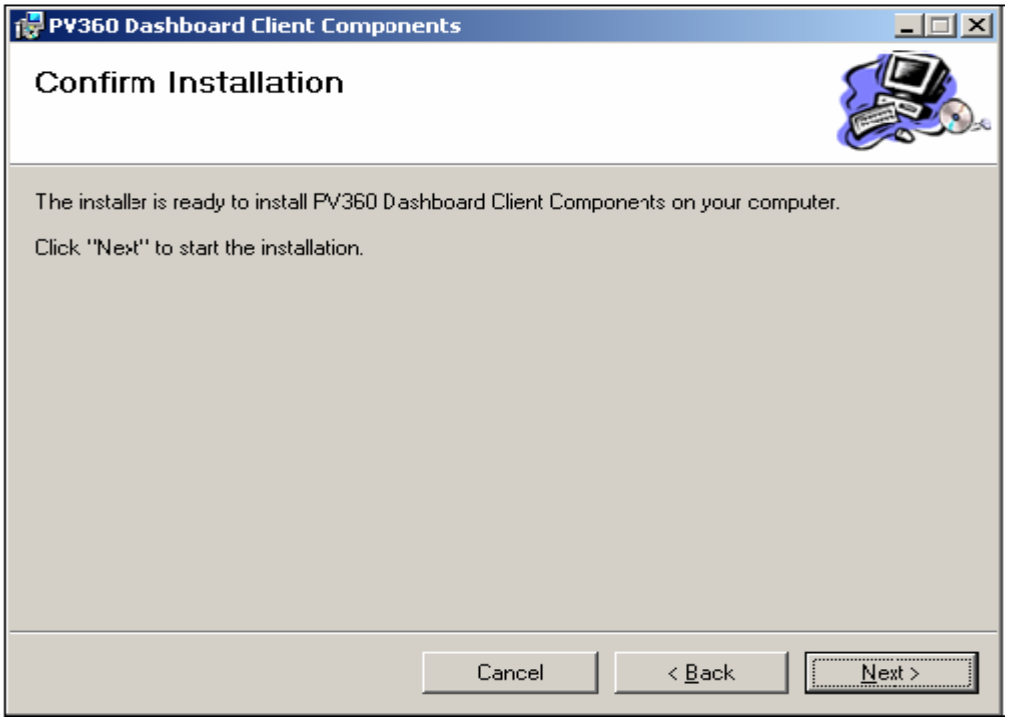

PV360 Dashboard Client Components
Confirm Installation
The installer is ready to install PV360 Dashboard Client Components on your computer.
Click "Next" to start the installation.
Cancel
< Back
Next >

Figure 71 – Confirm Installation dialog box

4. Click **Back** to go back to the previous step or click **Next** to start the installation.

   The *Installing PV360 Dashboard Client Components* dialog box opens.

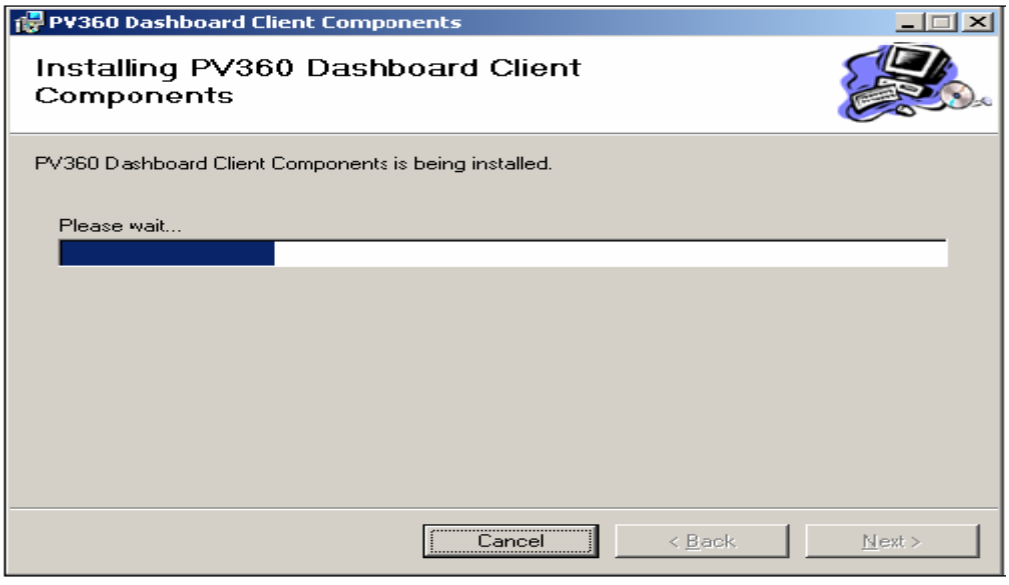


Figure 72 – Installing PV360 Dashboard Client Components dialog box

Once completed, and immediately after, the *Installation Complete* dialog box appears.

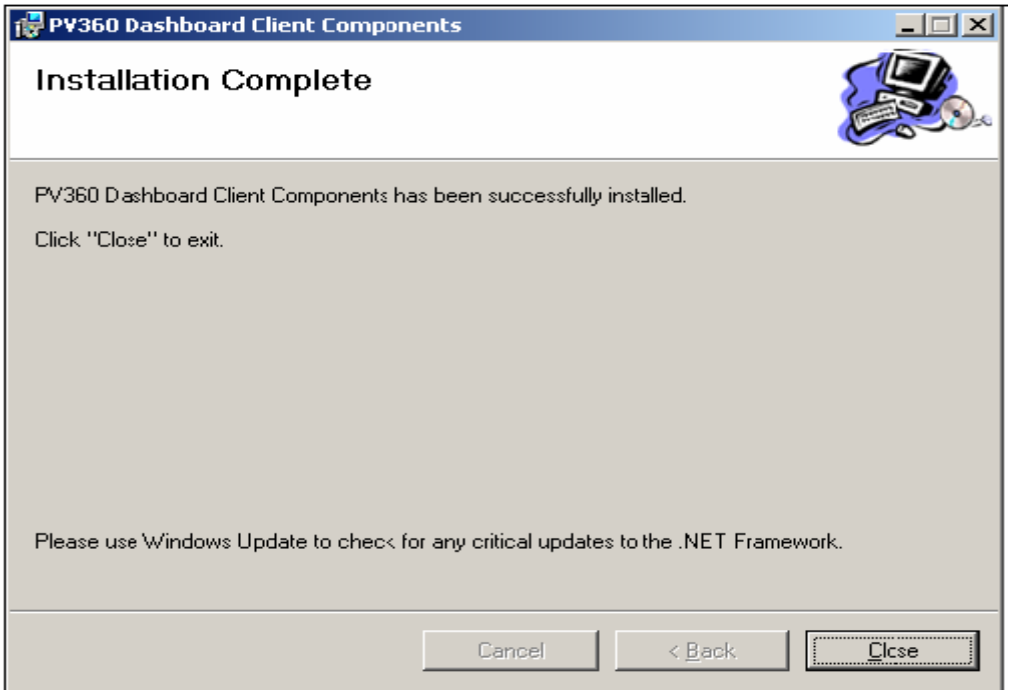
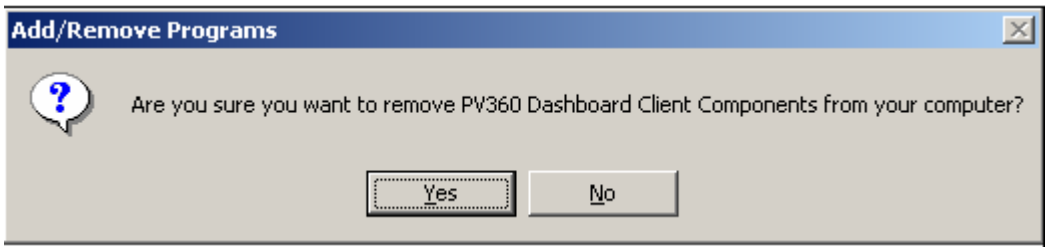

PV360 Dashboard Client Components
Installation Complete
PV360 Dashboard Client Components has been successfully installed.
Click "Close" to exit.
Please use Windows Update to check for any critical updates to the .NET Framework.
Cancel
< Back
Close

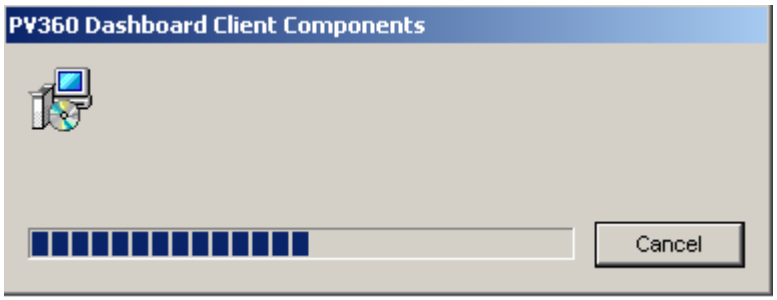
Figure 73 – Installing Complete dialog box

Uninstalling Dashboard

1. From the *Start* menu, select > **Settings** > **Control Panel**.
2. Select **Add/Remove Programs**.
3. Locate PV360 Dashboard from the list of programs and click **Remove**. The following Uninstall sequence is activated:



4. Click **Yes** to remove PV360 Dashboard or **No** to cancel.



Dashboard has been removed from your computer.

Chapter 6 – SitePro Installation

The SitePro application is installed on your PDA via your computer using the *.cab* file supplied by RiT Technologies.

Once SitePro is loaded on to your PDA you will be able to receive a list of tasks that are assigned to you. One Work Order can be made up of several tasks, and each one can be assigned to a different technician.

SitePro requires PV4E version 5.0 and up.

Requirements

Operating System: Windows Mobile 2005 for PocketPC

Screen: QVGA Portrait (240X320)

Add-ons: Microsoft .NET Compact Framework 2.0 sp1

SitePro Installation and Configuration

To install SitePro on your PDA you must synchronize your PDA with your PC.

You will need the Microsoft .NET Compact Framework 2.0 application. This application is available as a freeware application and can be downloaded from the Microsoft site.

Once you have installed the .NET Compact Framework application, do the following:

1. Search for the *.cab* file on your PC (***SitePro_X_X_X.cab)***.
2. When you have located the *.cab* file, copy it from your PC to the PDA. The *.cab* location is dependent on the PDA type. The *.cab* file is activated from the PDA after it has been copied.

To enter the SitePro application you must enter a valid name and password set by your administrator.

Appendix A

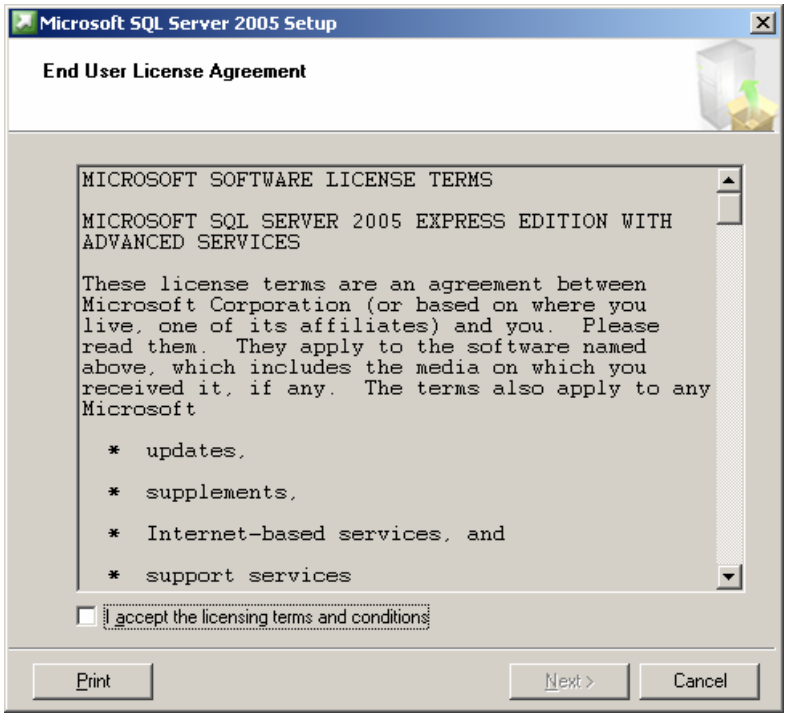
The following Appendix explains how to Install SQL Server 2005 Express Addition and SQL Server 2005 Enterprise Edition.

SQL Server 2005 Express Edition

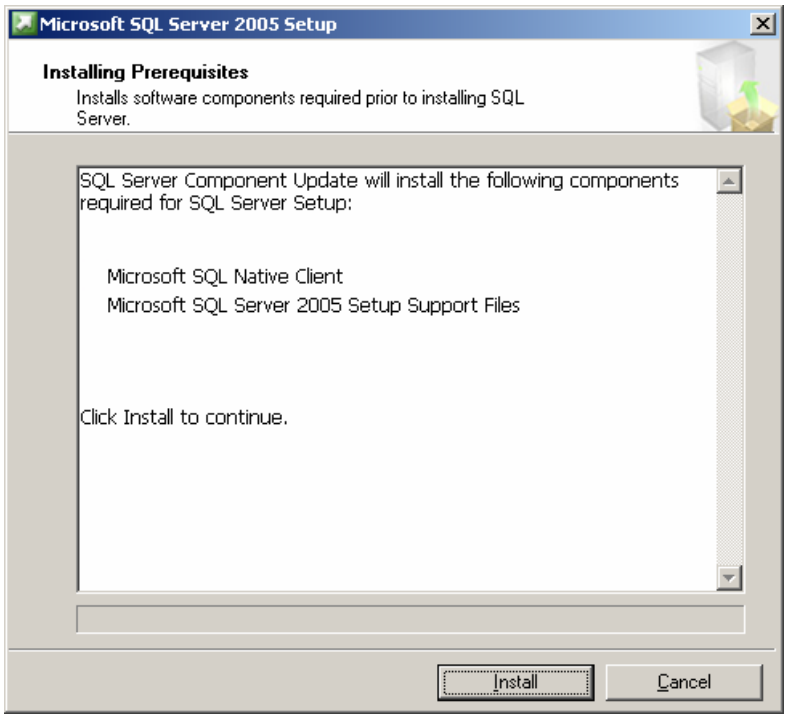
Note:

*Express does not currently support the **CAD** module.*

1. Install .Net Framework 2.0.
2. Install MDAC 2.8 (for Windows 2000 Editions only).
3. Install latest windows updates.
4. start the SQL Express installation.
5. Select the License Agreement checkbox and click **Next**.


Microsoft SQL Server 2005 Setup
End User License Agreement
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT SQL SERVER 2005 EXPRESS EDITION WITH ADVANCED SERVICES
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft
* updates,
* supplements,
* Internet-based services, and
* support services
I accept the licensing terms and conditions
Print
Next >
Cancel

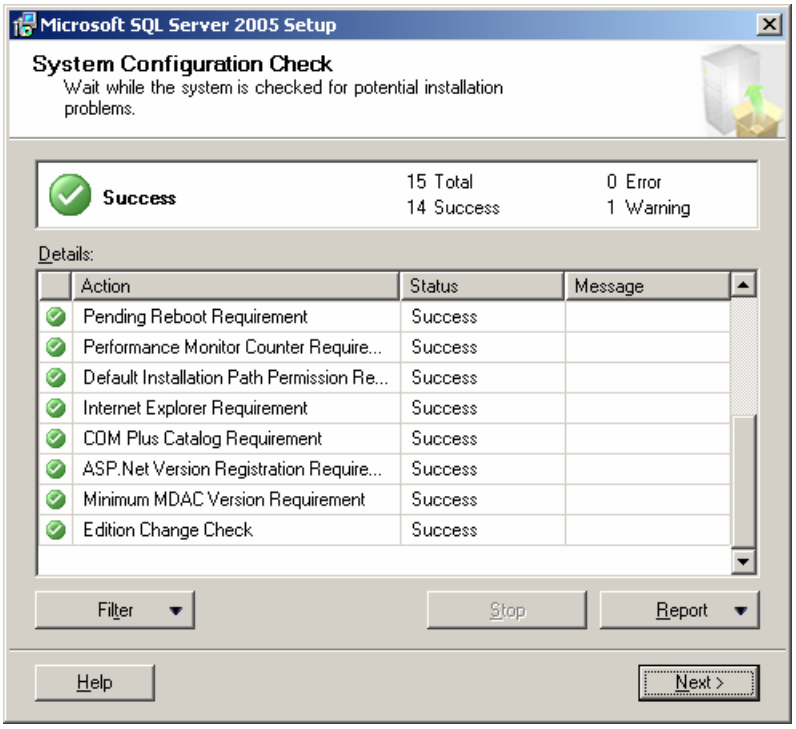
6. Click **Install**.


Microsoft SQL Server 2005 Setup
Installing Prerequisites
Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components required for SQL Server Setup:
Microsoft SQL Native Client
Microsoft SQL Server 2005 Setup Support Files
Click Install to continue.
Install
Cancel

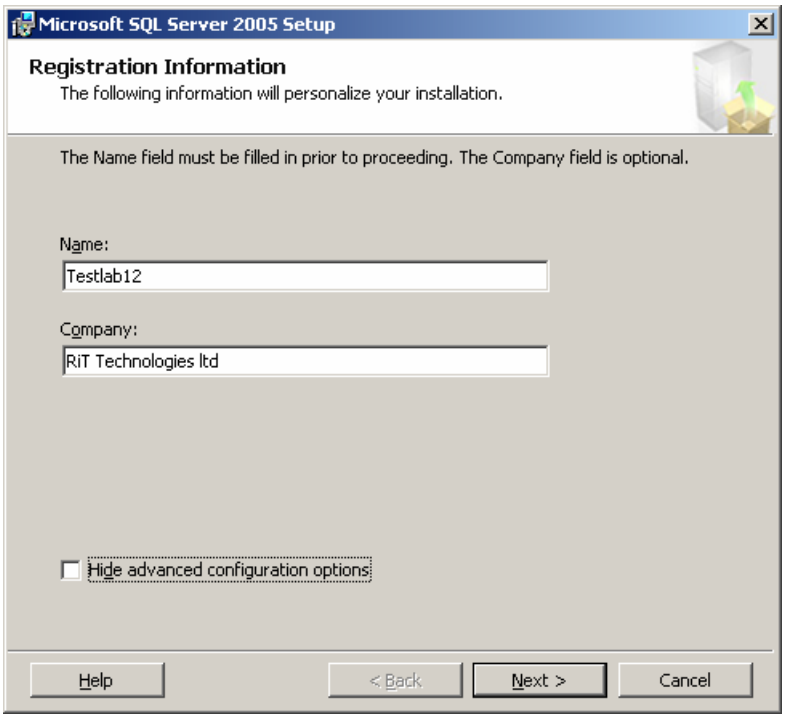
7. Click **Next**.

Microsoft SQL Server 2005 Setup
Welcome to the Microsoft SQL Server Installation Wizard
Setup will help you install, modify or remove Microsoft SQL Server. To continue, click Next.
< Back
Next >
Cancel

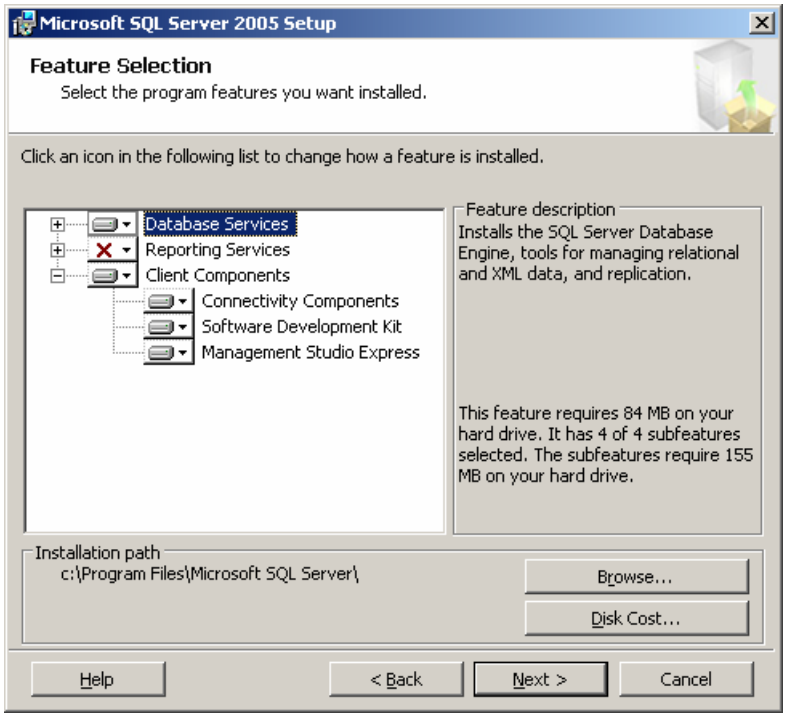
8. Verify there are no errors and click **Next**.



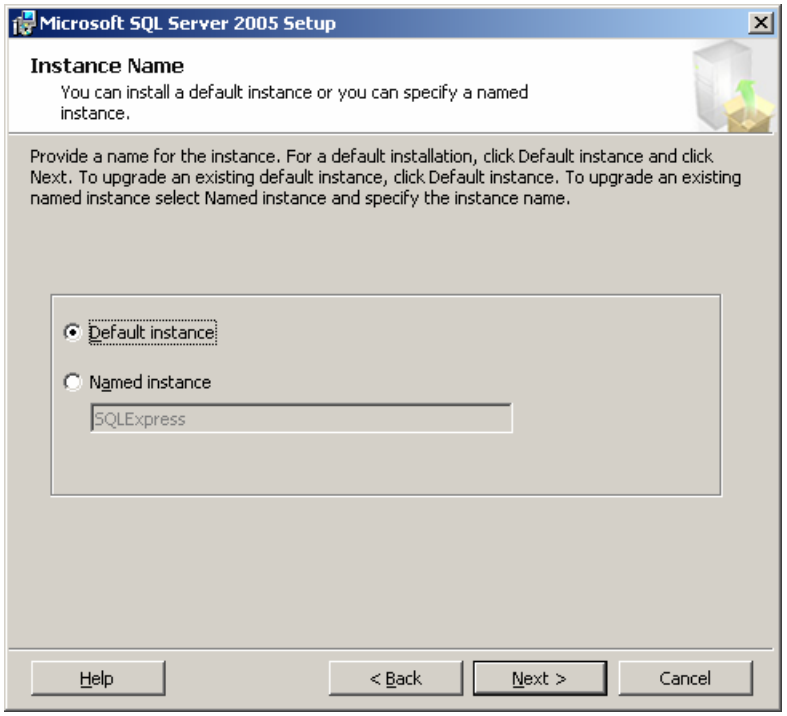
9. Remove the selection from the *Hide Advanced…* check box and click **Next**.



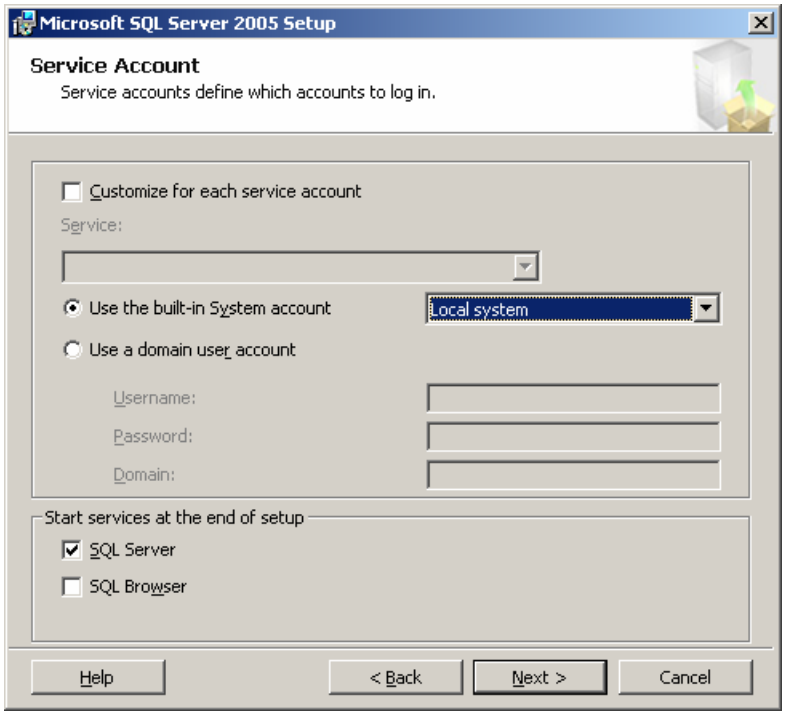
10. Select the Entire *Database Services* and *Client Components* features and click **Next**.


Microsoft SQL Server 2005 Setup
Feature Selection
Select the program features you want installed.
Click an icon in the following list to change how a feature is installed.
Database Services
Reporting Services
Client Components
Connectivity Components
Software Development Kit
Management Studio Express
Feature description
Installs the SQL Server Database Engine, tools for managing relational and XML data, and replication.
This feature requires 84 MB on your hard drive. It has 4 of 4 subfeatures selected. The subfeatures require 155 MB on your hard drive.
Installation path
c:\Program Files\Microsoft SQL Server\
Browse...
Disk Cost...
Help
< Back
Next >
Cancel

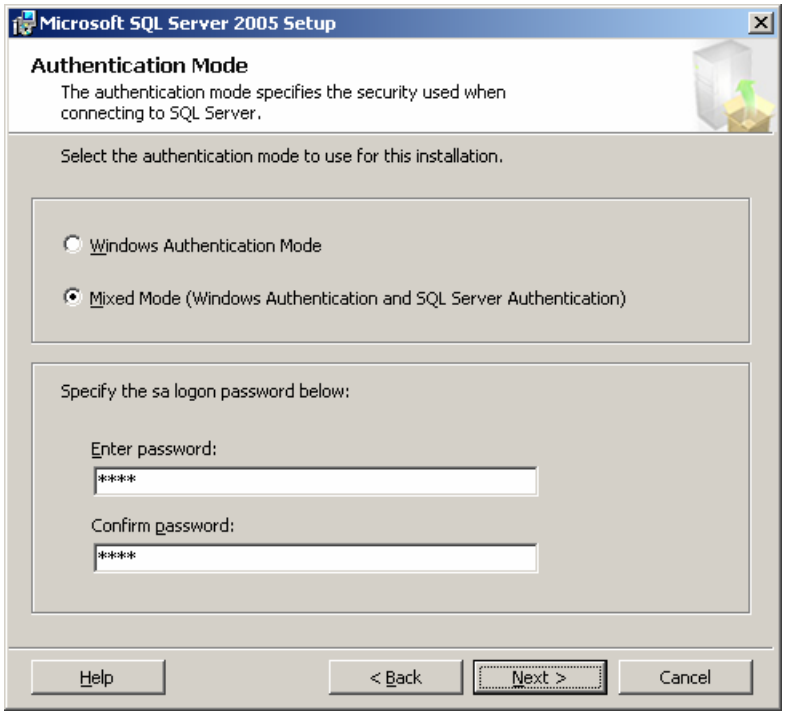
11. Select *Default Instance* radio button and click **Next**.


Microsoft SQL Server 2005 Setup
Instance Name
You can install a default instance or you can specify a named instance.
Provide a name for the instance. For a default installation, click Default instance and click Next. To upgrade an existing default instance, click Default instance. To upgrade an existing named instance select Named instance and specify the instance name.
Default instance
Named instance
SQLExpress
Help
< Back
Next >
Cancel

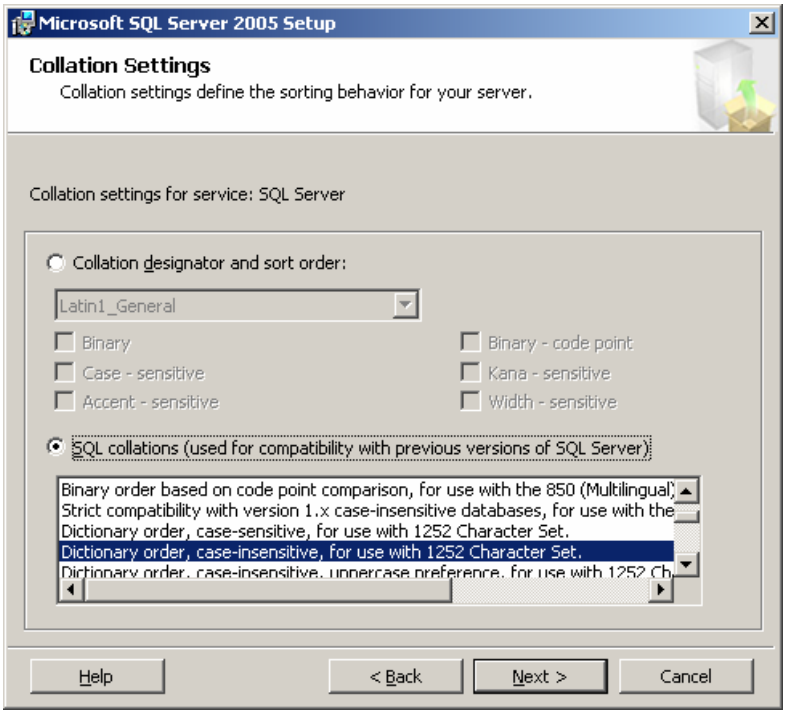
12. Select the use the *built-in system account* option and select *Local System* for the account. Click **Next**.



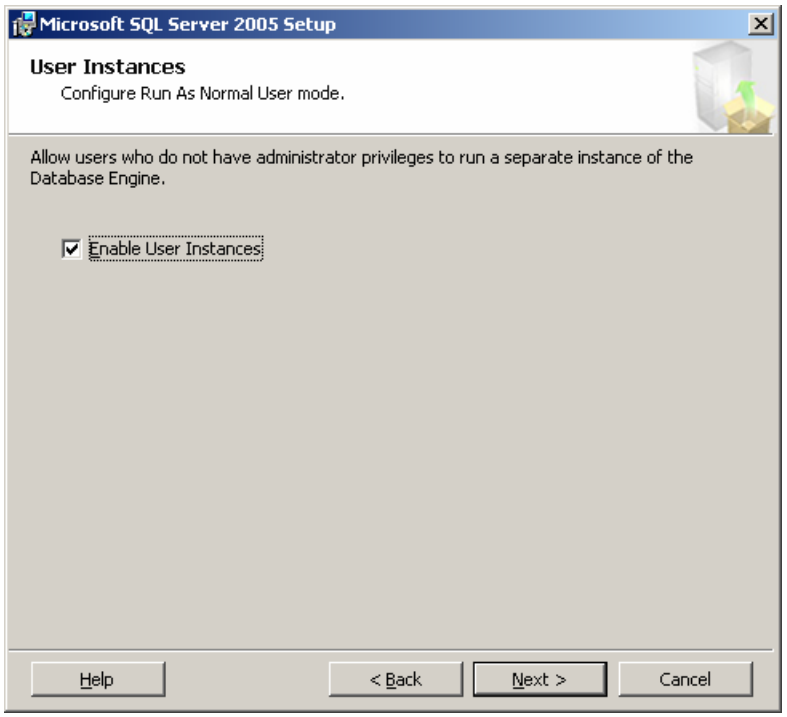
13. Select the *Mixed Mode* authentication option and provide a password to the database. Click **Next**.


Microsoft SQL Server 2005 Setup
Authentication Mode
The authentication mode specifies the security used when connecting to SQL Server.
Select the authentication mode to use for this installation.
Windows Authentication Mode
Mixed Mode (Windows Authentication and SQL Server Authentication)
Specify the sa logon password below:
Enter password:
****
Confirm password:
****
Help
< Back
Next >
Cancel

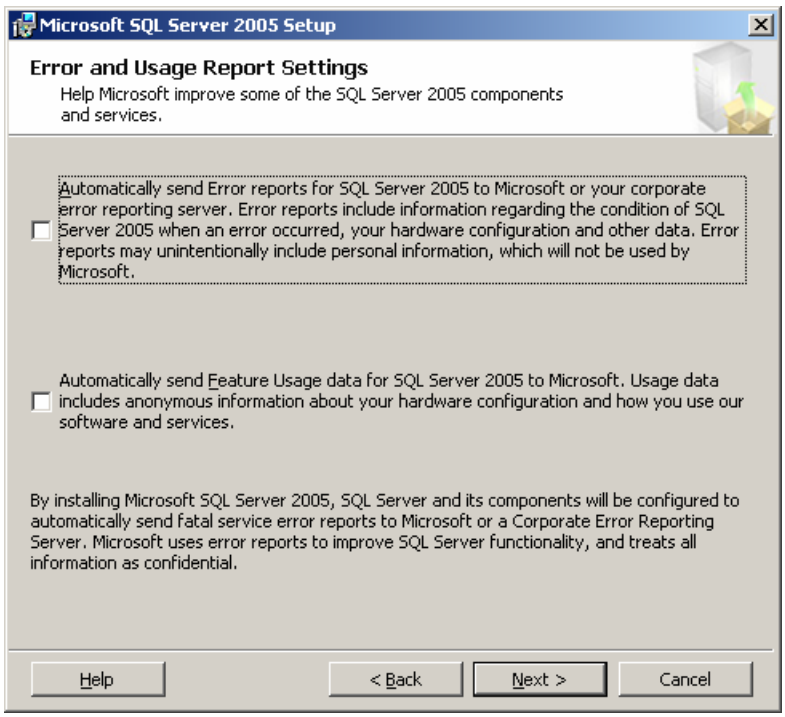
14. Leave the default collation selection as is and click **Next**.


Microsoft SQL Server 2005 Setup
Collation Settings
Collation settings define the sorting behavior for your server.
Collation settings for service: SQL Server
Collation designator and sort order:
Latin1_General
Binary
Case - sensitive
Accent - sensitive
Binary - code point
Kana - sensitive
Width - sensitive
SQL collations (used for compatibility with previous versions of SQL Server)
Binary order based on code point comparison, for use with the 850 (Multilingual)
Strict compatibility with version 1.x case-insensitive databases, for use with the
Dictionary order, case-sensitive, for use with 1252 Character Set.
Dictionary order, case-insensitive, for use with 1252 Character Set.
Help
< Back
Next >
Cancel

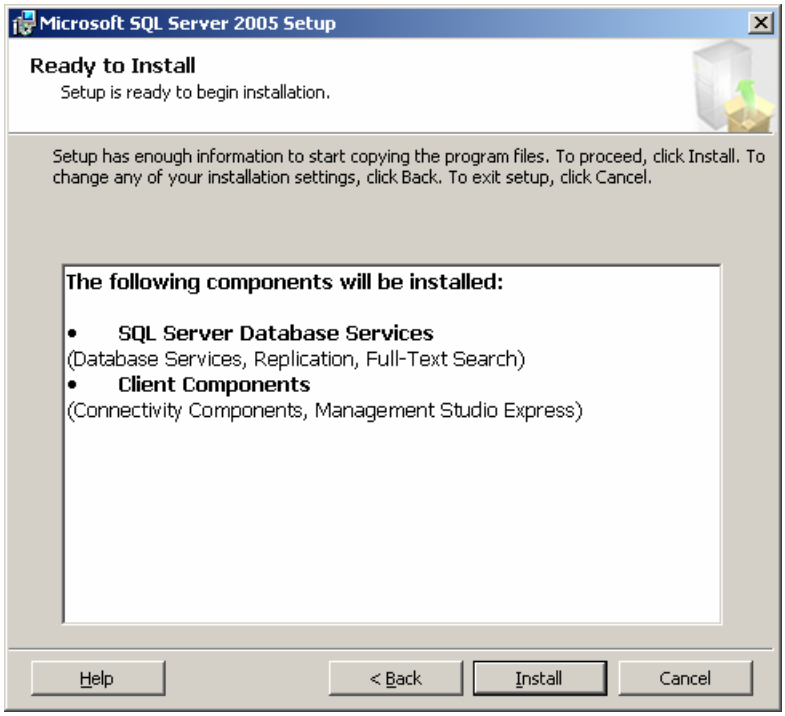
15. Select the *Enable User Interface* and click **Next**


Microsoft SQL Server 2005 Setup
User Instances
Configure Run As Normal User mode.
Allow users who do not have administrator privileges to run a separate instance of the Database Engine.
Enable User Instances
Help
< Back
Next >
Cancel

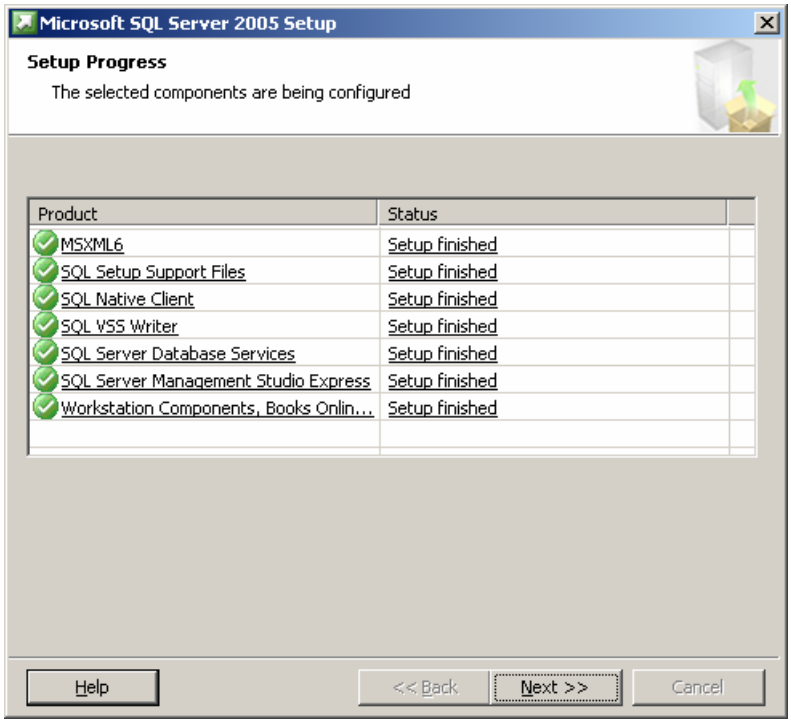
16. Remove the selection from both check boxes (if selected) and click **Next**.


Microsoft SQL Server 2005 Setup
Error and Usage Report Settings
Help Microsoft improve some of the SQL Server 2005 components and services.
Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.
Automatically send Feature Usage data for SQL Server 2005 to Microsoft. Usage data includes anonymous information about your hardware configuration and how you use our software and services.
By installing Microsoft SQL Server 2005, SQL Server and its components will be configured to automatically send fatal service error reports to Microsoft or a Corporate Error Reporting Server. Microsoft uses error reports to improve SQL Server functionality, and treats all information as confidential.
Help
< Back
Next >
Cancel

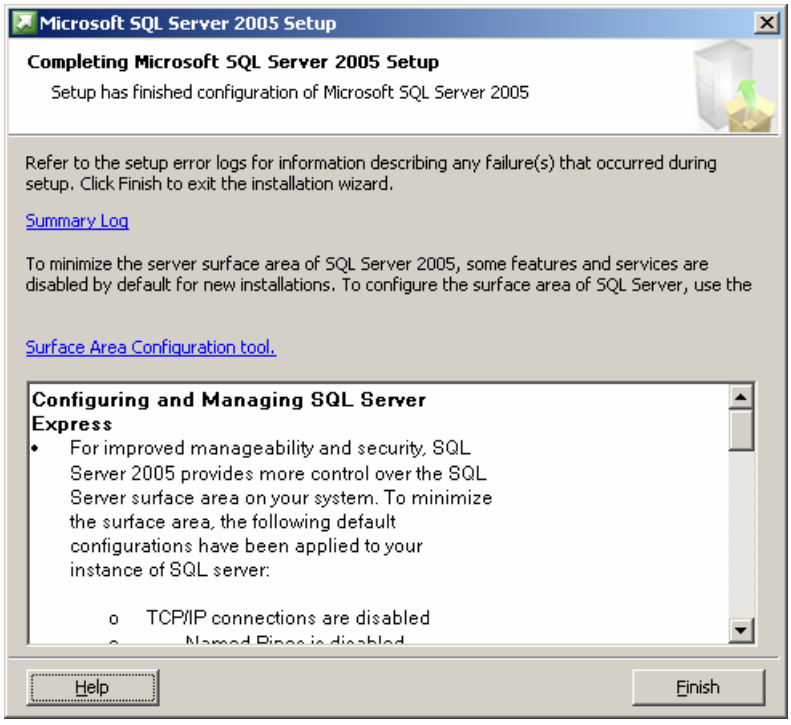
17. Click **Install**.


Microsoft SQL Server 2005 Setup
Ready to Install
Setup is ready to begin installation.
Setup has enough information to start copying the program files. To proceed, click Install. To change any of your installation settings, click Back. To exit setup, click Cancel.
The following components will be installed:
• SQL Server Database Services
(Database Services, Replication, Full-Text Search)
• Client Components
(Connectivity Components, Management Studio Express)
Help
< Back
Install
Cancel

18. Verify that all products were installed and click **Next**.



19. Click **Finish** and reboot the machine.


Microsoft SQL Server 2005 Setup
Completing Microsoft SQL Server 2005 Setup
Setup has finished configuration of Microsoft SQL Server 2005
Refer to the setup error logs for information describing any failure(s) that occurred during setup. Click Finish to exit the installation wizard.
Summary Log
To minimize the server surface area of SQL Server 2005, some features and services are disabled by default for new installations. To configure the surface area of SQL Server, use the
Surface Area Configuration tool.
Configuring and Managing SQL Server Express
For improved manageability and security, SQL Server 2005 provides more control over the SQL Server surface area on your system. To minimize the surface area, the following default configurations have been applied to your instance of SQL server:
TCP/IP connections are disabled
Help
Finish

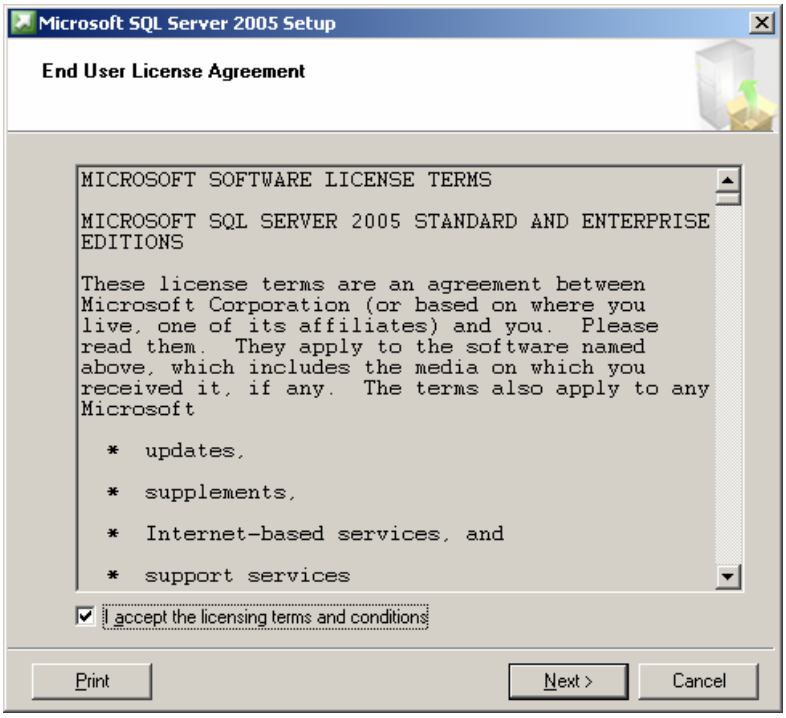
20. After the machine reboots install the relevant Service Pack as describe in the Service Pack section.
21. After installing the Service Pack set the SQL Server.

SQL Server 2005 Enterprise Edition

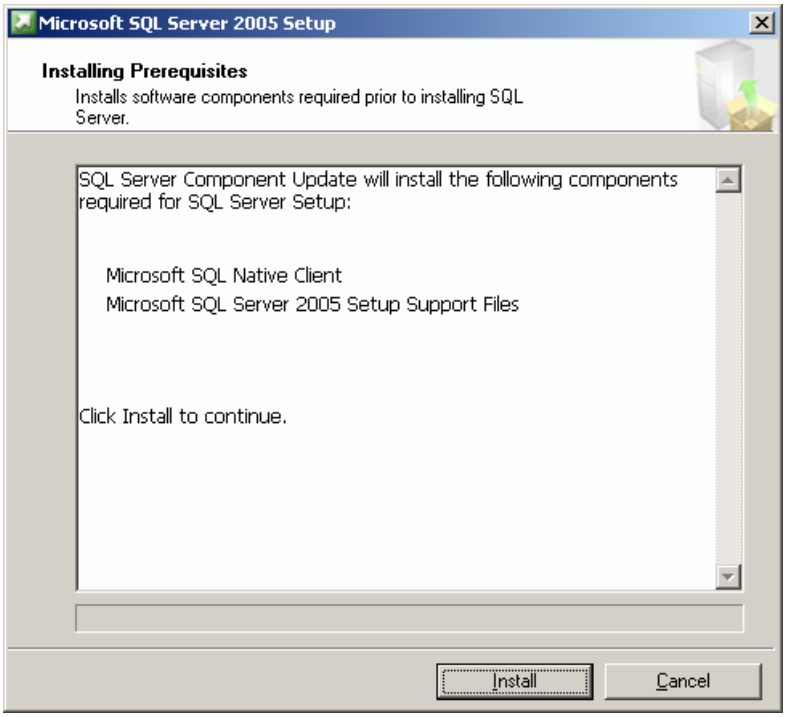
1. Install MDAC 2.8 (for Windows 2000 Editions only).
2. Install latest windows updates.
3. Start the SQL Standard installation.
4. Select the *Server components…* link in the *Install* Section

SQL Server 2005 (Disc 1 of 2)
Start
Prepare
Review hardware and software requirements
Read the release notes
Install SQL Server Upgrade Advisor
Install
Server components, tools, Books Online, and samples
Run the SQL Native Client Installation Wizard
Other Information
Browse this CD
Visit the SQL Server website
Read the SQL Server license agreement
Exit
Launch the Installation Wizard to install server components, management tools, development tools, Books Online, and samples. This selection will require both SQL Server 2005 installation discs.
Microsoft SQL Server 2005 Enterprise Edition

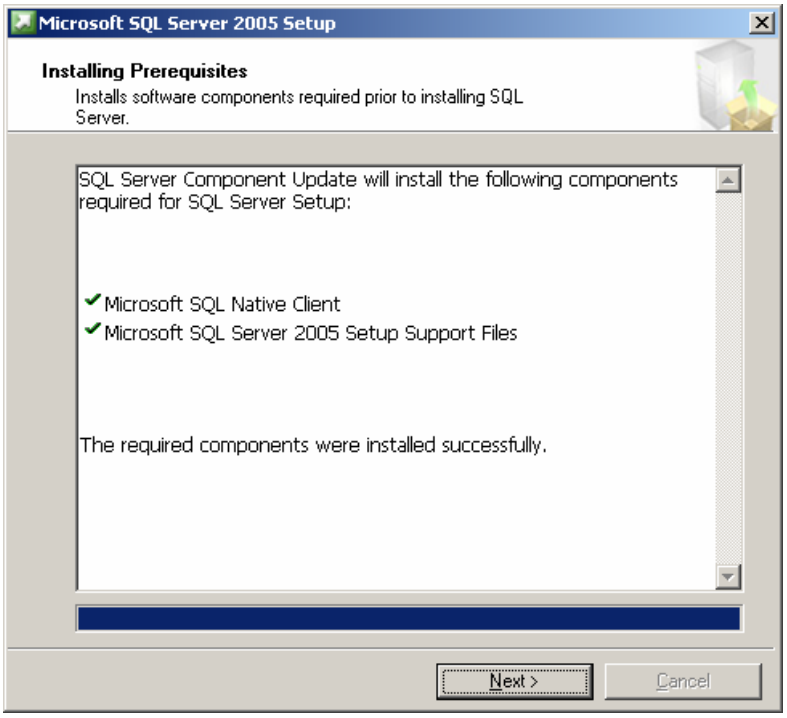
5. Select the *License Agreement* checkbox and click **Next**.


Microsoft SQL Server 2005 Setup
End User License Agreement
MICROSOFT SOFTWARE LICENSE TERMS
MICROSOFT SQL SERVER 2005 STANDARD AND ENTERPRISE EDITIONS
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft
* updates,
* supplements,
* Internet-based services, and
* support services
I accept the licensing terms and conditions
Print
Next >
Cancel

6. Click **Install**.


Microsoft SQL Server 2005 Setup
Installing Prerequisites
Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components required for SQL Server Setup:
Microsoft SQL Native Client
Microsoft SQL Server 2005 Setup Support Files
Click Install to continue.
Install
Cancel

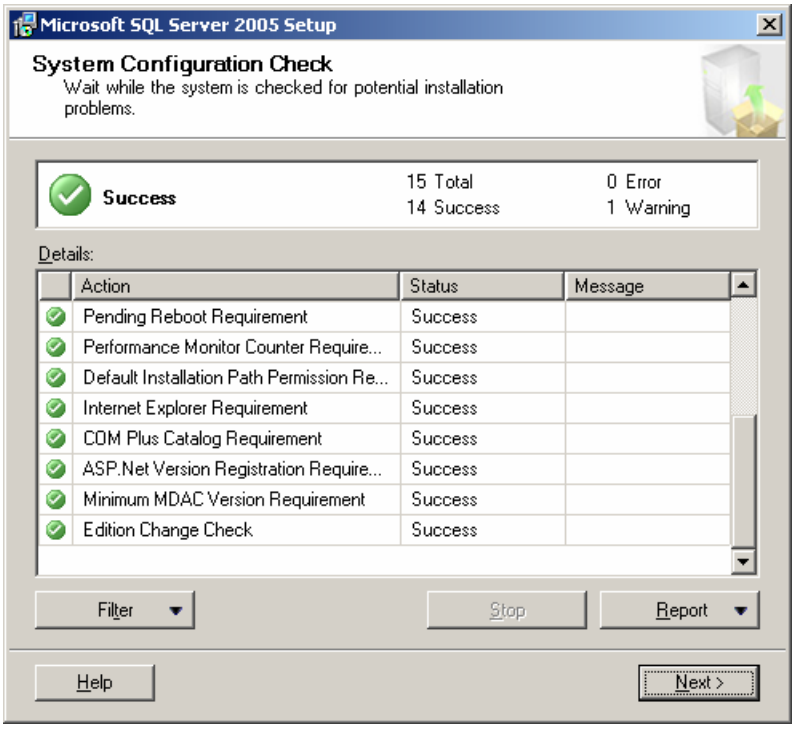
7. Click **Next**.


Microsoft SQL Server 2005 Setup
Installing Prerequisites
Installs software components required prior to installing SQL Server.
SQL Server Component Update will install the following components required for SQL Server Setup:
Microsoft SQL Native Client
Microsoft SQL Server 2005 Setup Support Files
The required components were installed successfully.
Next >
Cancel

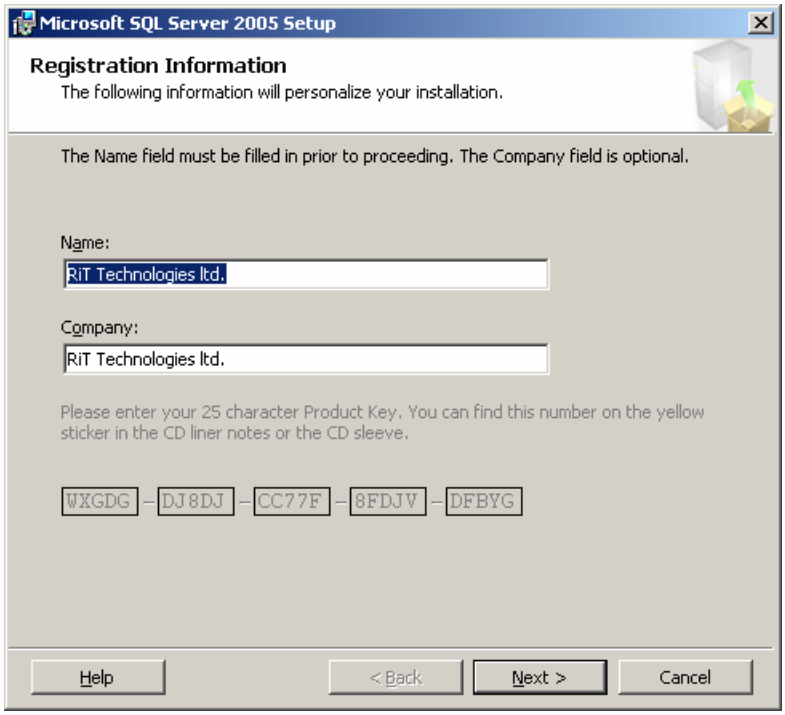
8. Click **Next**.

Microsoft SQL Server 2005 Setup
Welcome to the Microsoft SQL Server Installation Wizard
Setup will help you install, modify or remove Microsoft SQL Server. To continue, click Next.
< Back
Next >
Cancel

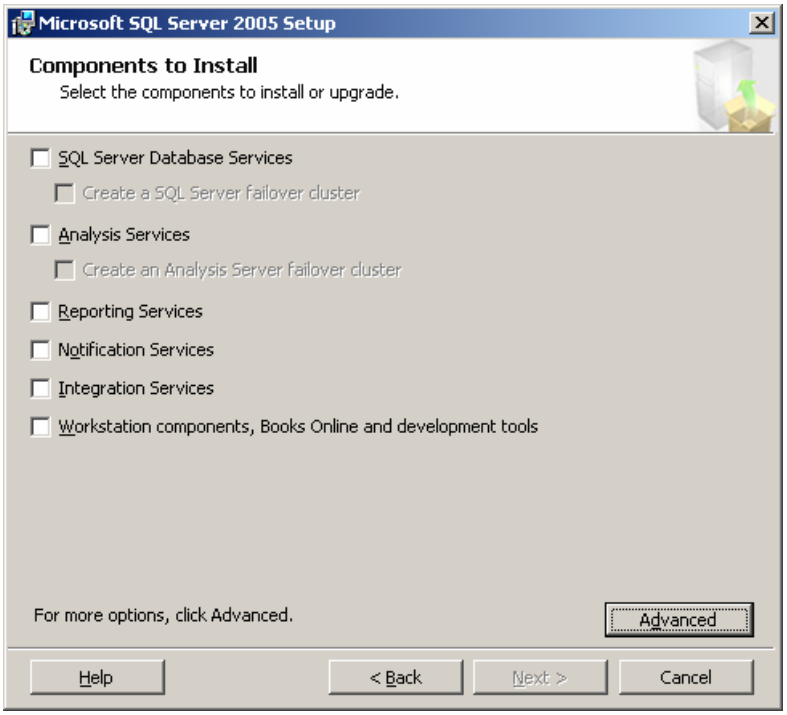
9. Verify there are no errors and click **Next**.



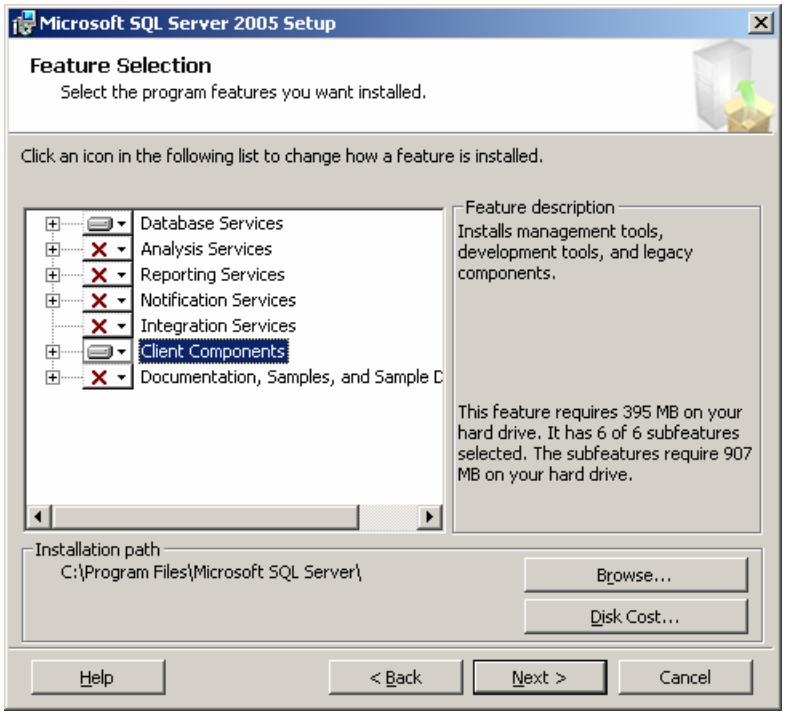
10. Insert Name and Company information and click **Next**


Microsoft SQL Server 2005 Setup
Registration Information
The following information will personalize your installation.
The Name field must be filled in prior to proceeding. The Company field is optional.
Name:
RiT Technologies ltd.
Company:
RiT Technologies ltd.
Please enter your 25 character Product Key. You can find this number on the yellow sticker in the CD liner notes or the CD sleeve.
WXGDG - DJ8DJ - CC77F - 8FDJV - DFBYG
Help
< Back
Next >
Cancel

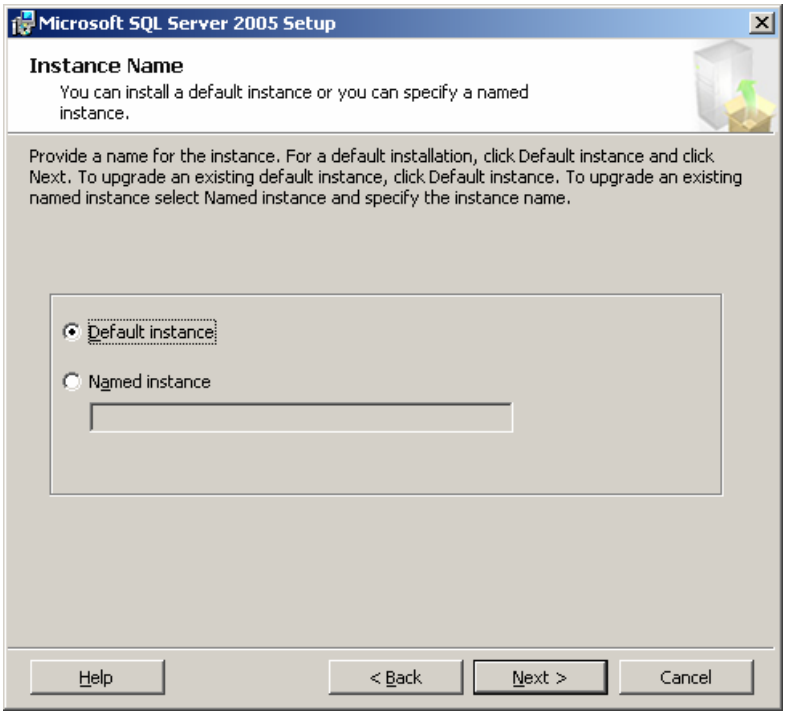
11. Click **Advanced**



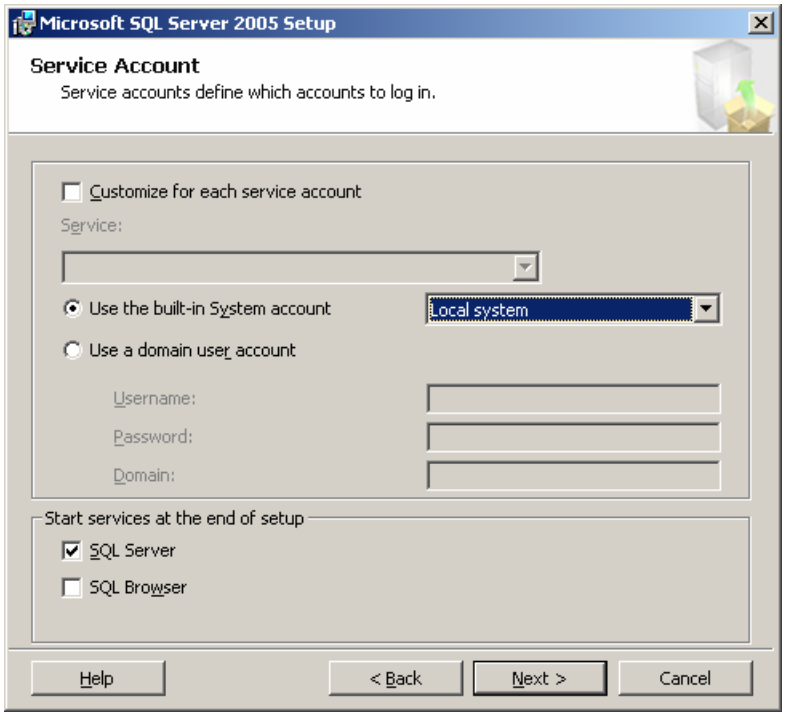
12. Select the Entire *Database Services* and *Client Components* features and click **Next**.


Microsoft SQL Server 2005 Setup
Feature Selection
Select the program features you want installed.
Click an icon in the following list to change how a feature is installed.
Database Services
Analysis Services
Reporting Services
Notification Services
Integration Services
Client Components
Documentation, Samples, and Sample D
Feature description
Installs management tools, development tools, and legacy components.
This feature requires 395 MB on your hard drive. It has 6 of 6 subfeatures selected. The subfeatures require 907 MB on your hard drive.
Installation path
C:\Program Files\Microsoft SQL Server\
Browse...
Disk Cost...
Help
< Back
Next >
Cancel

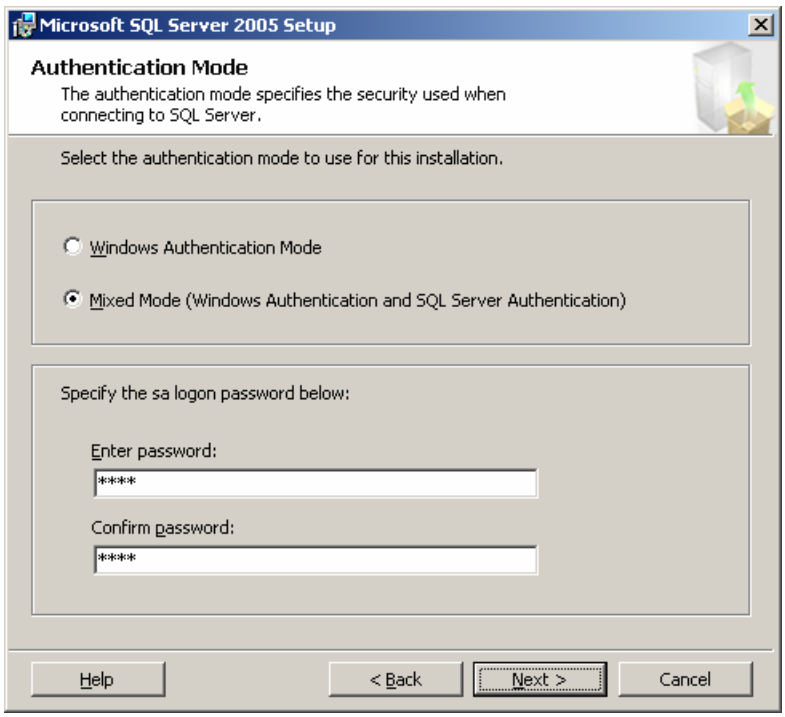
13. Select *Default Instance* radio button and click **Next**.


Microsoft SQL Server 2005 Setup
Instance Name
You can install a default instance or you can specify a named instance.
Provide a name for the instance. For a default installation, click Default instance and click Next. To upgrade an existing default instance, click Default instance. To upgrade an existing named instance select Named instance and specify the instance name.
Default instance
Named instance
Help
< Back
Next >
Cancel

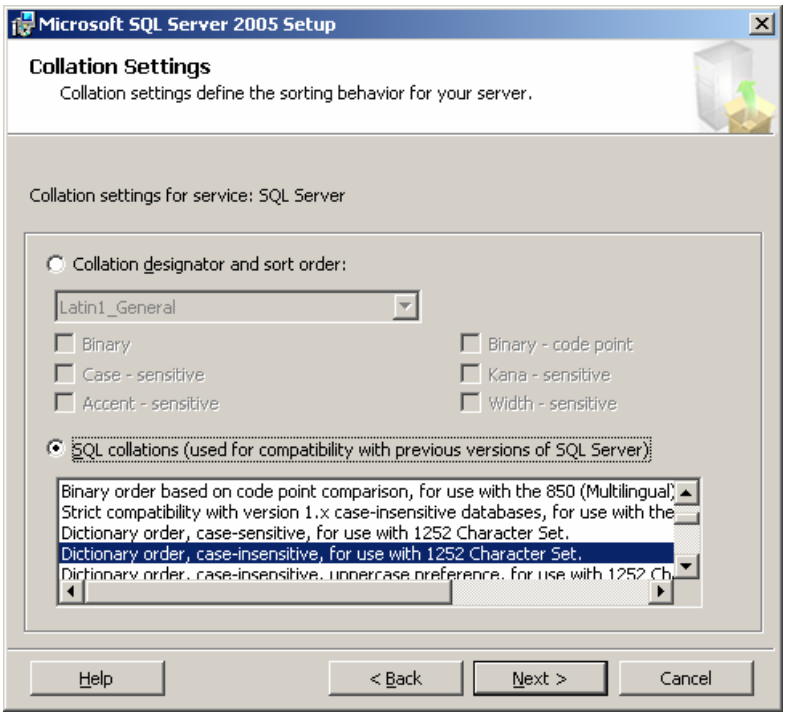
14. Select the *use the built-in system account* option and select *Local System* for the account and click **Next**.



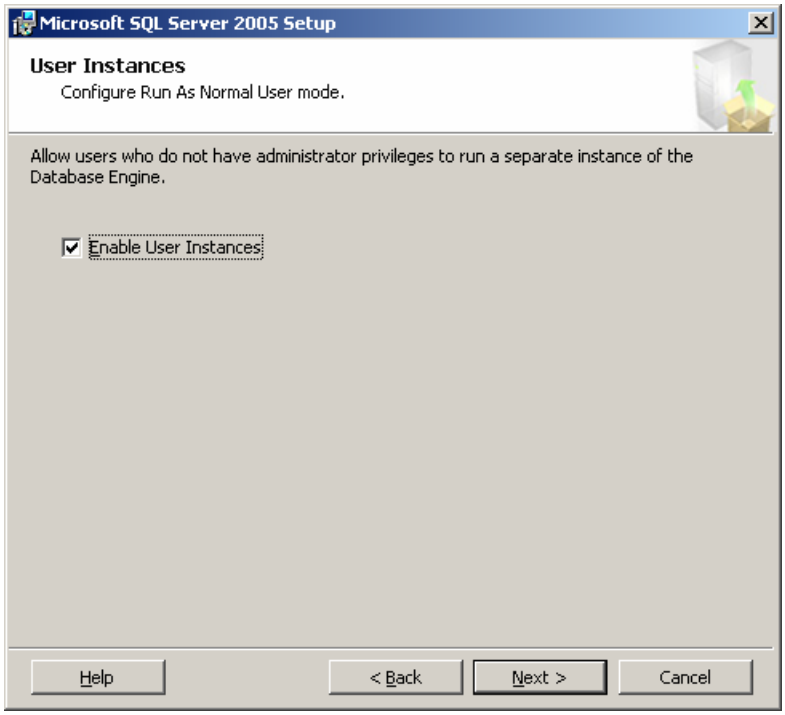
15. Select the *Mixed Mode* authentication option, enter a password to the database and click **Next**.


Microsoft SQL Server 2005 Setup
Authentication Mode
The authentication mode specifies the security used when connecting to SQL Server.
Select the authentication mode to use for this installation.
Windows Authentication Mode
Mixed Mode (Windows Authentication and SQL Server Authentication)
Specify the sa logon password below:
Enter password:
****
Confirm password:
****
Help
< Back
Next >
Cancel

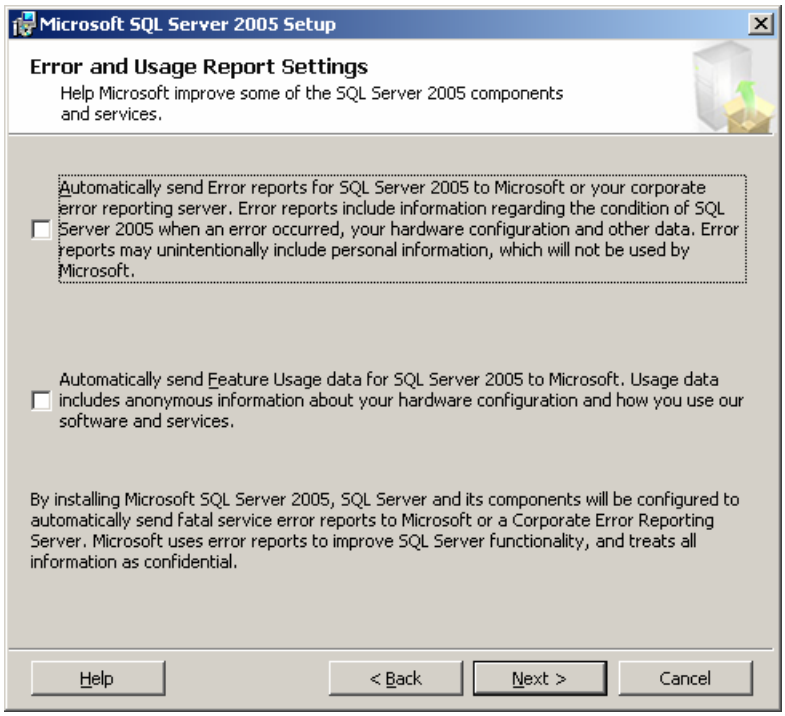
16. Leave the default collation selection as is and click **Next**.


Microsoft SQL Server 2005 Setup
Collation Settings
Collation settings define the sorting behavior for your server.
Collation settings for service: SQL Server
Collation designator and sort order:
Latin1_General
Binary
Case - sensitive
Accent - sensitive
Binary - code point
Kana - sensitive
Width - sensitive
SQL collations (used for compatibility with previous versions of SQL Server)
Binary order based on code point comparison, for use with the 850 (Multilingual)
Strict compatibility with version 1.x case-insensitive databases, for use with the
Dictionary order, case-sensitive, for use with 1252 Character Set.
Dictionary order, case-insensitive, for use with 1252 Character Set.
Help
< Back
Next >
Cancel

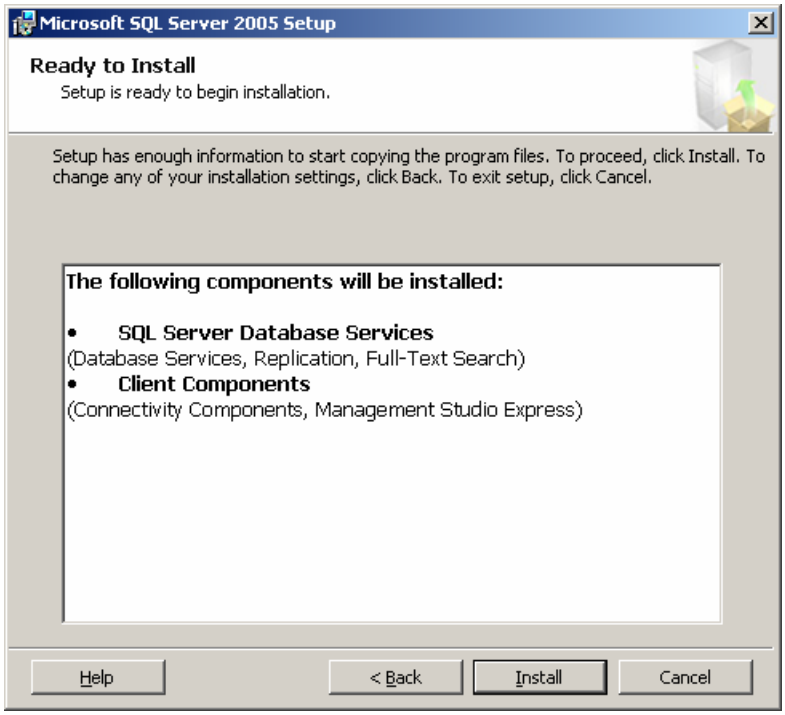
17. Select the *Enable User Interface* and click **Next**.


Microsoft SQL Server 2005 Setup
User Instances
Configure Run As Normal User mode.
Allow users who do not have administrator privileges to run a separate instance of the Database Engine.
Enable User Instances
Help
< Back
Next >
Cancel

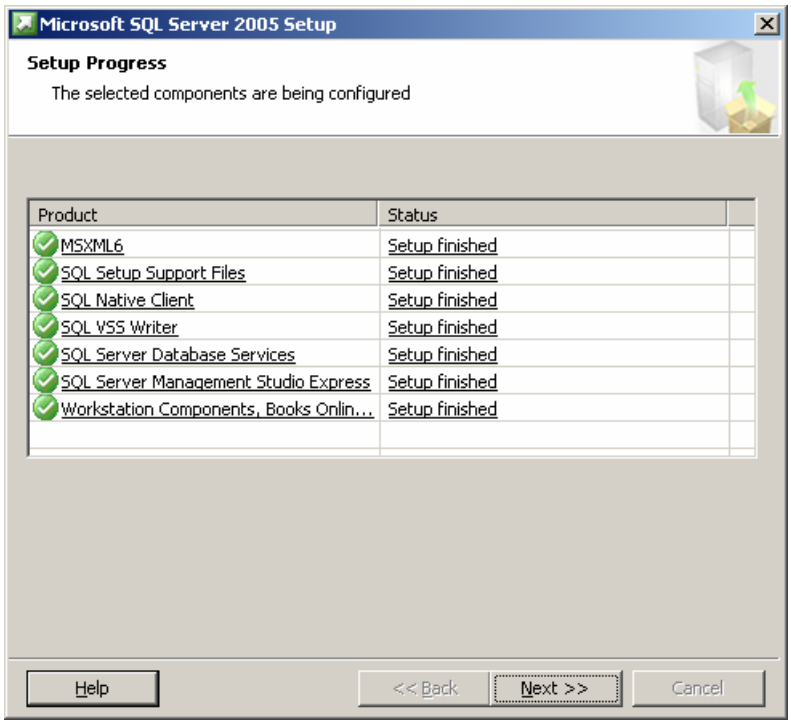
18. Remove the selection from both check boxes (if selected) and click **Next**.


Microsoft SQL Server 2005 Setup
Error and Usage Report Settings
Help Microsoft improve some of the SQL Server 2005 components and services.
Automatically send Error reports for SQL Server 2005 to Microsoft or your corporate error reporting server. Error reports include information regarding the condition of SQL Server 2005 when an error occurred, your hardware configuration and other data. Error reports may unintentionally include personal information, which will not be used by Microsoft.
Automatically send Feature Usage data for SQL Server 2005 to Microsoft. Usage data includes anonymous information about your hardware configuration and how you use our software and services.
By installing Microsoft SQL Server 2005, SQL Server and its components will be configured to automatically send fatal service error reports to Microsoft or a Corporate Error Reporting Server. Microsoft uses error reports to improve SQL Server functionality, and treats all information as confidential.
Help
< Back
Next >
Cancel

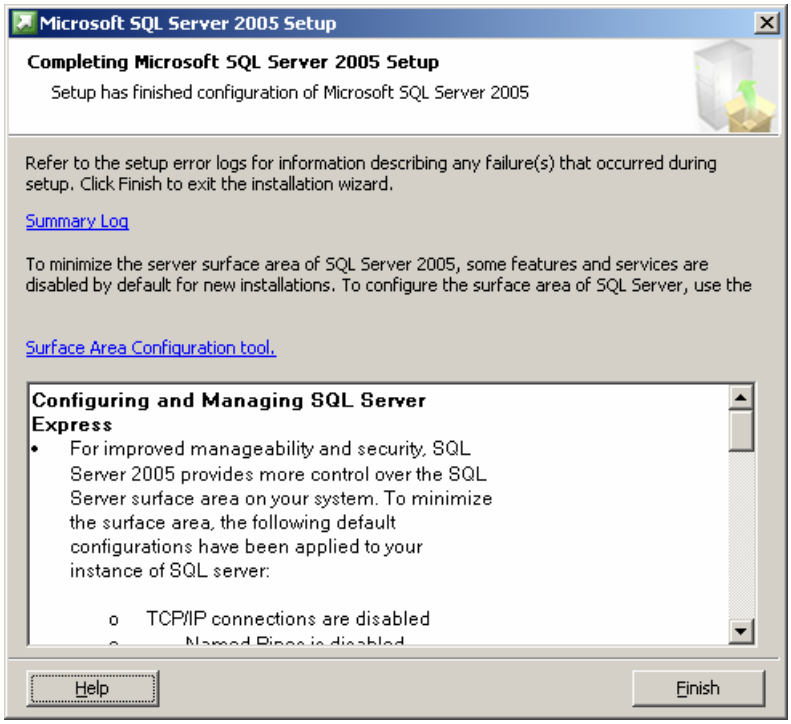
19. Click **Install**.


Microsoft SQL Server 2005 Setup
Ready to Install
Setup is ready to begin installation.
Setup has enough information to start copying the program files. To proceed, click Install. To change any of your installation settings, click Back. To exit setup, click Cancel.
The following components will be installed:
• SQL Server Database Services
(Database Services, Replication, Full-Text Search)
• Client Components
(Connectivity Components, Management Studio Express)
Help
< Back
Install
Cancel

20. Verify that all products were installed and click **Next**.



21. Click **Finish** and reboot the machine.


Microsoft SQL Server 2005 Setup
Completing Microsoft SQL Server 2005 Setup
Setup has finished configuration of Microsoft SQL Server 2005
Refer to the setup error logs for information describing any failure(s) that occurred during setup. Click Finish to exit the installation wizard.
Summary Log
To minimize the server surface area of SQL Server 2005, some features and services are disabled by default for new installations. To configure the surface area of SQL Server, use the
Surface Area Configuration tool.
Configuring and Managing SQL Server Express
For improved manageability and security, SQL Server 2005 provides more control over the SQL Server surface area on your system. To minimize the surface area, the following default configurations have been applied to your instance of SQL server:
TCP/IP connections are disabled
Help
Finish

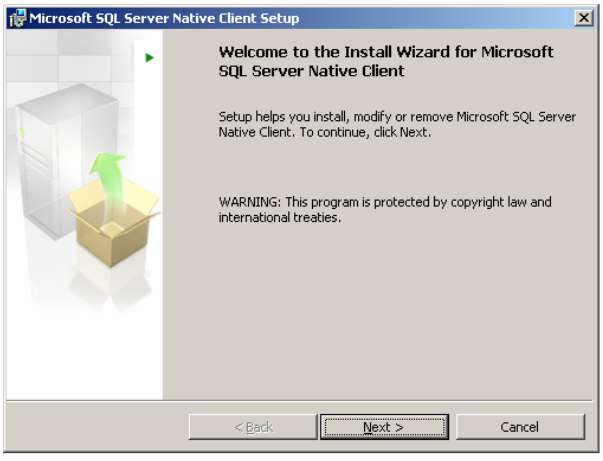
22. After the machine reboots install the relevant Service Pack as describe in the Service Pack section.

23. After installing the Service Pack set the SQL Server.

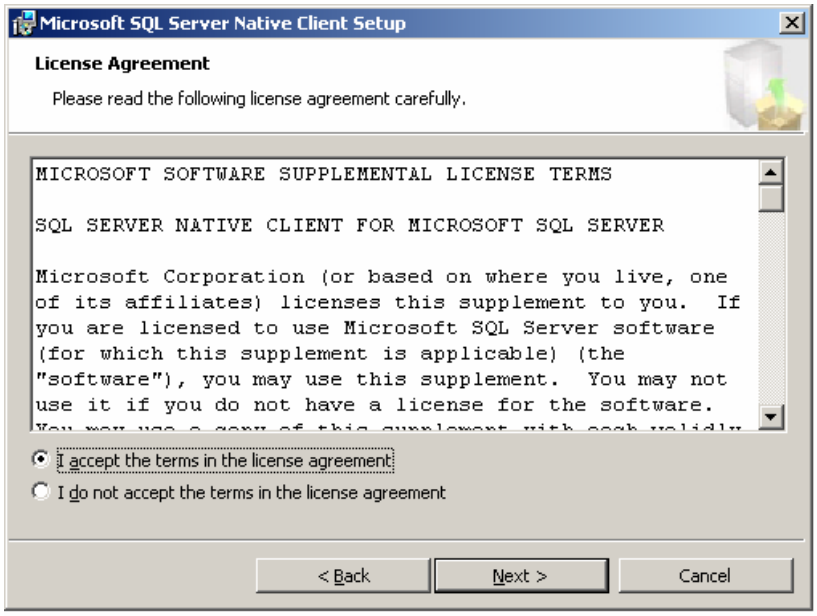
PV4E Issues

During a remote installation of PV4E Server (PV4E Server on machine A and SQL Server on Machine B), the SQL Server will install a client application in the PV4E server:

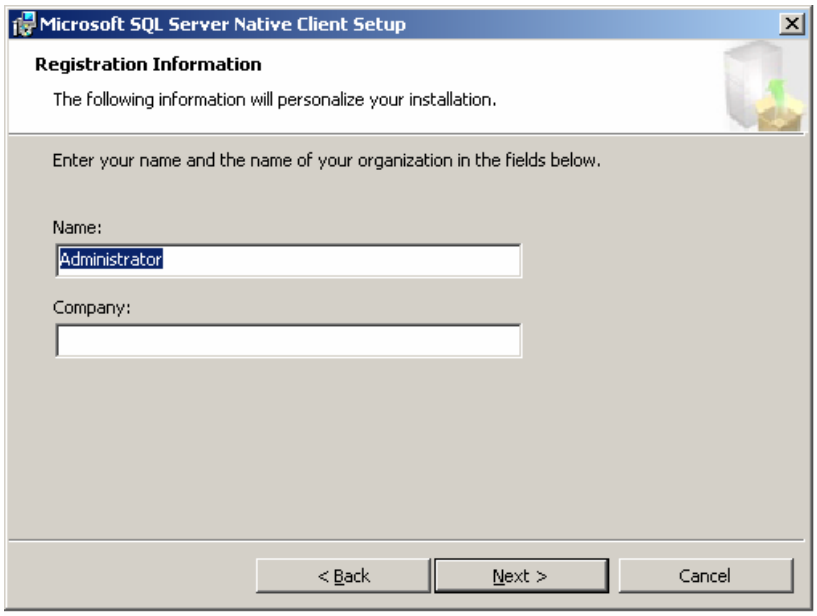
1. Click **Next**.


Microsoft SQL Server Native Client Setup
Welcome to the Install Wizard for Microsoft SQL Server Native Client
Setup helps you install, modify or remove Microsoft SQL Server Native Client. To continue, click Next.
WARNING: This program is protected by copyright law and international treaties.
< Back
Next >
Cancel

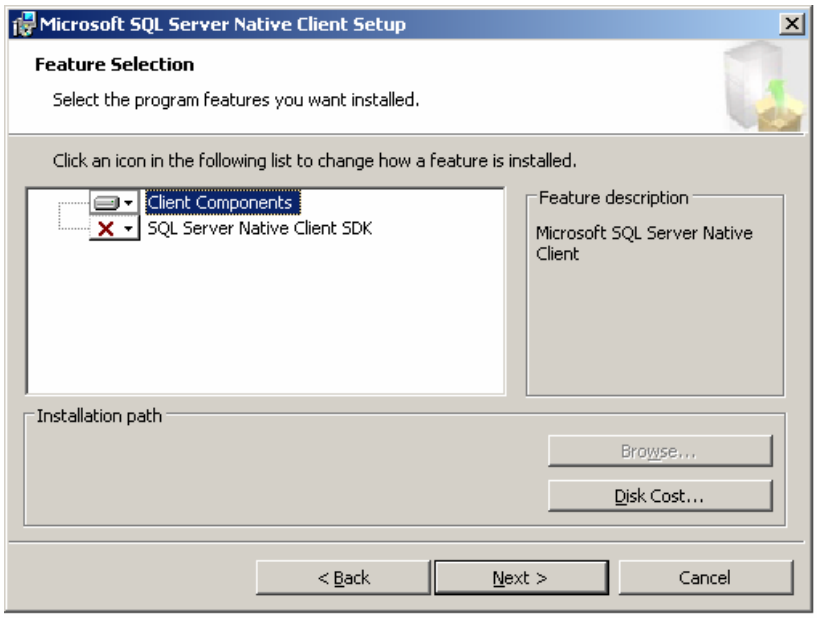
2. Accept the license aggrement and click **Next.**


Microsoft SQL Server Native Client Setup
License Agreement
Please read the following license agreement carefully.
MICROSOFT SOFTWARE SUPPLEMENTAL LICENSE TERMS
SQL SERVER NATIVE CLIENT FOR MICROSOFT SQL SERVER
Microsoft Corporation (or based on where you live, one of its affiliates) licenses this supplement to you. If you are licensed to use Microsoft SQL Server software (for which this supplement is applicable) (the "software"), you may use this supplement. You may not use it if you do not have a license for the software.
I accept the terms in the license agreement
I do not accept the terms in the license agreement
< Back
Next >
Cancel

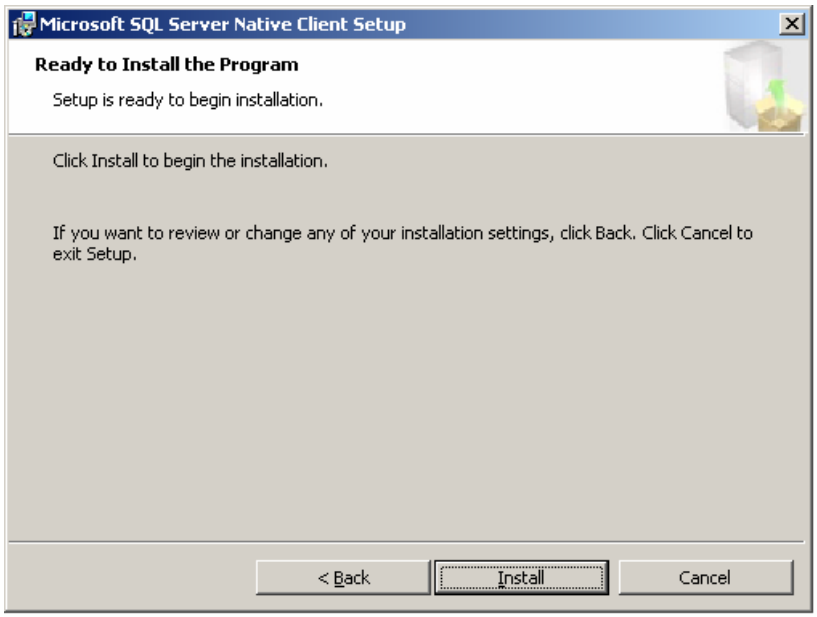
3. Insert Name & Company info and click **Next.**


Microsoft SQL Server Native Client Setup
Registration Information
The following information will personalize your installation.
Enter your name and the name of your organization in the fields below.
Name:
Administrator
Company:
< Back
Next >
Cancel

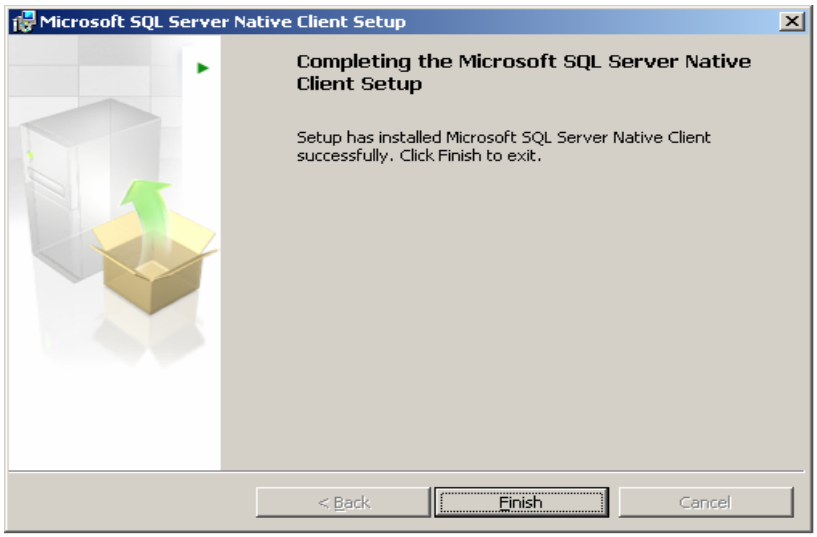
4. Select the entire *Client Components* features and click **Next.**


Microsoft SQL Server Native Client Setup
Feature Selection
Select the program features you want installed.
Click an icon in the following list to change how a feature is installed.
Client Components
SQL Server Native Client SDK
Feature description
Microsoft SQL Server Native Client
Installation path
Browse...
Disk Cost...
< Back
Next >
Cancel

5. Click **Install**.


Microsoft SQL Server Native Client Setup
Ready to Install the Program
Setup is ready to begin installation.
Click Install to begin the installation.
If you want to review or change any of your installation settings, click Back. Click Cancel to exit Setup.
< Back
Install
Cancel

6. Click **Finish**.

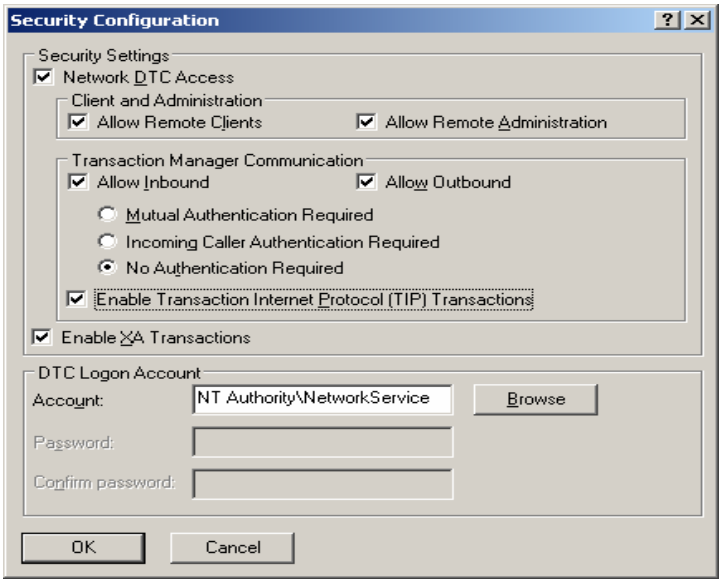

Microsoft SQL Server Native Client Setup
Completing the Microsoft SQL Server Native Client Setup
Setup has installed Microsoft SQL Server Native Client successfully. Click Finish to exit.
< Back
Finish
Cancel

7. After installing the SQL Client Components, the PV4E installation will continue as normal.

Configuring MSDTC

After the PV4E installation is completed, the MSDTC (only for windows XP, 2003 and above) setting must be configured in order to work in remote configuration.
The MSDTC Settings should be set in the PV4E Server and the SQL as follow:

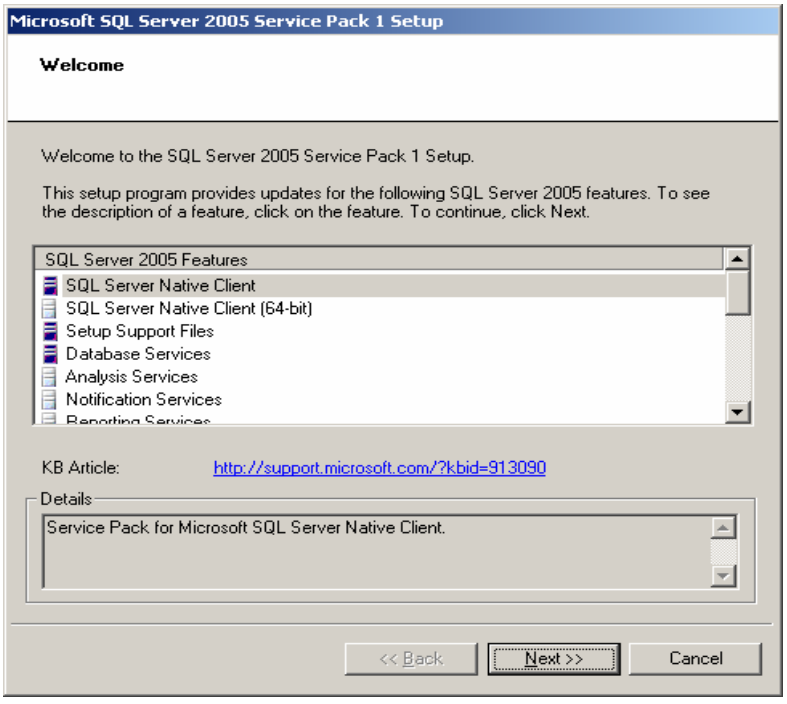
1. Go to Start → Run and insert the following **C:\WINDOWS\system32\Com\comexp.msc**
2. After the Component Services window is displayed go to Component Services → Computers → My Computer
3. Right click *My Computer* and select **Properties**.
4. Select the **MSDTC** tab
5. Press the *Security Configuration*
6. Set the Security as follows:



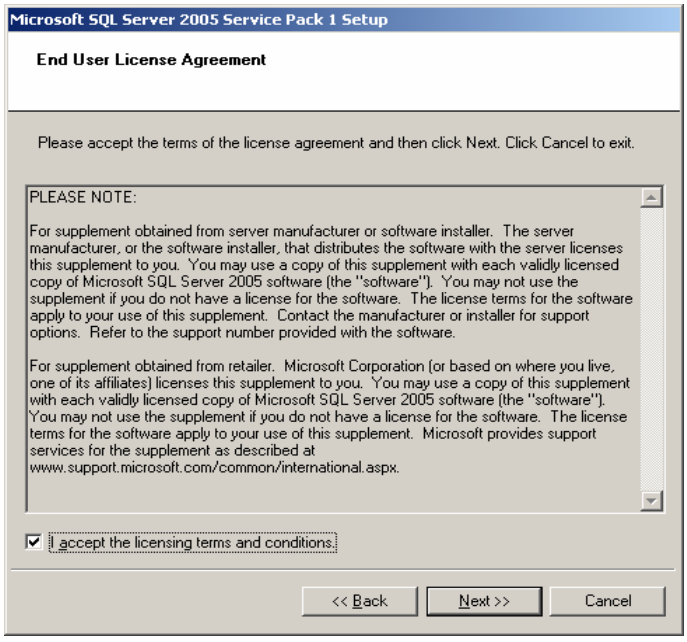
7. Click **OK** to save your settings and reboot the server
8. After applying the settings for both servers (PV4E & SQL) you are ready to work in remote configuration.

SQL Server 2005 Service Pack 1 Installation

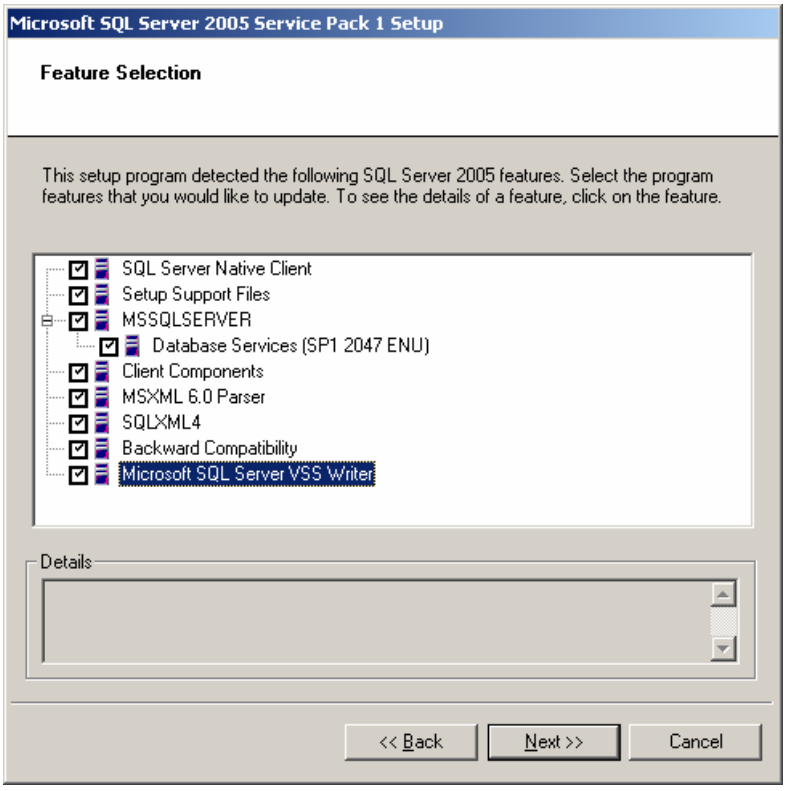
1. Run the installation package to start the installation
2. Click **Next.**


Microsoft SQL Server 2005 Service Pack 1 Setup
Welcome
Welcome to the SQL Server 2005 Service Pack 1 Setup.
This setup program provides updates for the following SQL Server 2005 features. To see the description of a feature, click on the feature. To continue, click Next.
SQL Server 2005 Features
SQL Server Native Client
SQL Server Native Client (64-bit)
Setup Support Files
Database Services
Analysis Services
Notification Services
KB Article:
http://support.microsoft.com/?kbid=913090
Details
Service Pack for Microsoft SQL Server Native Client.
<< Back
Next >>
Cancel

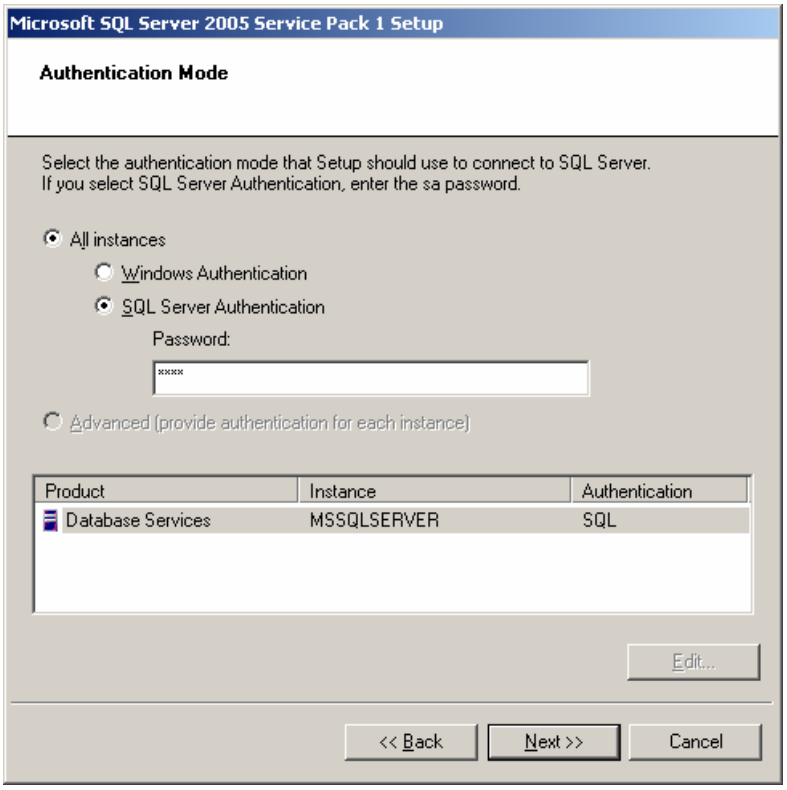
3. Accept the License Agreement by selecting the check box and click **Next.**


Microsoft SQL Server 2005 Service Pack 1 Setup
End User License Agreement
Please accept the terms of the license agreement and then click Next. Click Cancel to exit.
PLEASE NOTE:
For supplement obtained from server manufacturer or software installer. The server manufacturer, or the software installer, that distributes the software with the server licenses this supplement to you. You may use a copy of this supplement with each validly licensed copy of Microsoft SQL Server 2005 software (the "software"). You may not use the supplement if you do not have a license for the software. The license terms for the software apply to your use of this supplement. Contact the manufacturer or installer for support options. Refer to the support number provided with the software.
For supplement obtained from retailer. Microsoft Corporation (or based on where you live, one of its affiliates) licenses this supplement to you. You may use a copy of this supplement with each validly licensed copy of Microsoft SQL Server 2005 software (the "software"). You may not use the supplement if you do not have a license for the software. The license terms for the software apply to your use of this supplement. Microsoft provides support services for the supplement as described at www.support.microsoft.com/common/international.aspx.
I accept the licensing terms and conditions.
<< Back
Next >>
Cancel

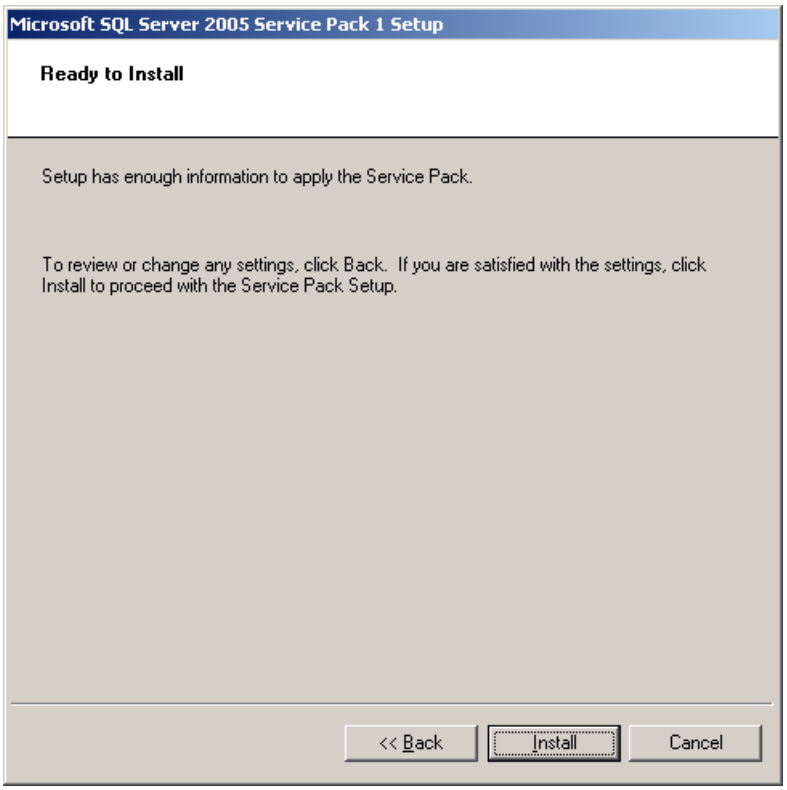
4. Leave all default selections and click **Next.**


Microsoft SQL Server 2005 Service Pack 1 Setup
Feature Selection
This setup program detected the following SQL Server 2005 features. Select the program features that you would like to update. To see the details of a feature, click on the feature.
SQL Server Native Client
Setup Support Files
MSSQLSERVER
Database Services (SP1 2047 ENU)
Client Components
MSXML 6.0 Parser
SQLXML4
Backward Compatibility
Microsoft SQL Server VSS Writer
Details
<< Back
Next >>
Cancel

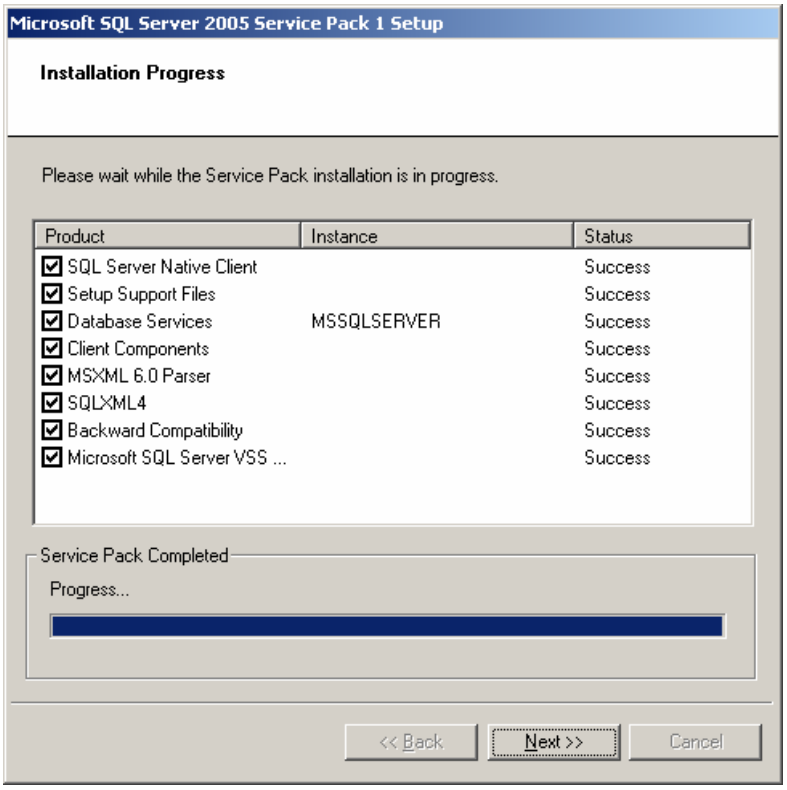
5. Insert valid authentication info and click **Next.**



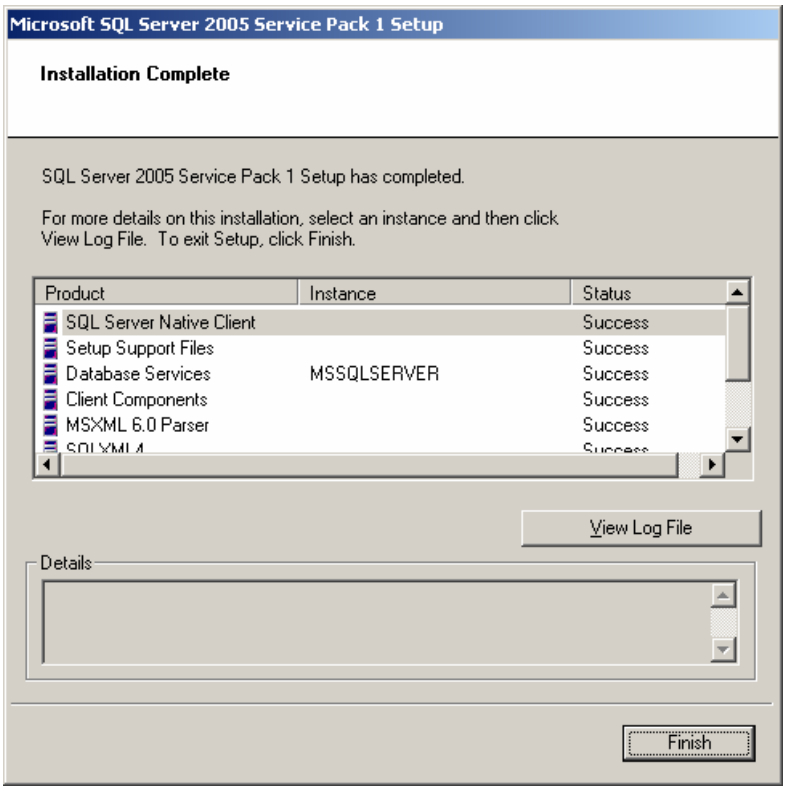
6. Click **Install**.


Microsoft SQL Server 2005 Service Pack 1 Setup
Ready to Install
Setup has enough information to apply the Service Pack.
To review or change any settings, click Back. If you are satisfied with the settings, click Install to proceed with the Service Pack Setup.
<< Back
Install
Cancel

7. Leave all default selections and click **Next.**



8. Verify that all products were installed and click **Finish.**



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Installation Checklist

	Done
Pre-requisites	
SQL Server 2005 Standard Edition	☐
Service Pack for SQL	☐
SQL Configuration	☐
Change Web Security Settings	☐
Check Services required for Installation	☐
PV4E	
License Registration number	☐
PV4E Installation	☐
SP or Hotfix as needed	☐
Installation verification	
Sanity Analyzer	☐
Running PV4E	☐